



207731

Five-Year Review Report

Parsons Chemical Works Superfund Site

**Oneida Township, Eaton County
Grand Ledge, Michigan**

**Pursuant to CERCLA
42 U.S.C., Section 9621**

**Prepared by:
Michigan Department of Environmental Quality**

**Prepared for:
United States Environmental Protection Agency
Region 5
Chicago, Illinois**

Approved by:

**Andrew Hogarth, Chief
Remediation & Redevelopment Division, MDEQ**

Date:

4/7/04

Approved by:

**Richard C. Karl, Acting Director
Superfund Division, U.S. EPA, Region 5**

Date:

4-14-04

TABLE OF CONTENTS

List of Acronyms	3
Executive Summary	4
Summary Form	4
I. INTRODUCTION.....	7
II. SITE CHRONOLOGY.....	7
III. BACKGROUND	8
Physical Characteristics	8
Land and Resource Use.....	8
History of Contamination	8
Initial Response.....	8
Basis for Taking Action.....	9
IV. REMEDIAL ACTION.....	10
Remedy Selection	10
Remedy Implementation	10
Operation & Maintenance	11
Enforcement Activity.....	11
Costs	12
V. PROGRESS SINCE THE LAST FIVE-YEAR REVIEW.....	12
VI. FIVE YEAR REVIEW PROCESS.....	12
Community Involvement.....	12
Document Review.....	13
Data Review.....	13
Site Inspection	13
Interviews.....	13
VII. TECHNICAL ASSESSMENT.....	14
VIII. ISSUES.....	14
IX. RECOMMENDATIONS AND FOLLOW-UP ACTIONS	14
X. PROTECTIVENESS STATEMENT	14
XI. NEXT REVIEW.....	15
APPENDIX A	
Residential and Monitoring Well Analytical Results	16

List of Acronyms

EPA	United States Environmental Protection Agency
GSI	Groundwater/Surface Water Interface
MDEQ	Michigan Department of Environmental Quality
RD	Remedial Design
RI	Remedial Investigation
RI/FS	Remedial Investigation/Feasibility Study
ROD	Record of Decision

Executive Summary

The selected remedy for the Parsons Chemical Works, Inc., Superfund Site (Parsons) utilizes long-term monitoring with a contingency plan to assure protection of public health. The long-term monitoring consisted of the development and implementation of a program to monitor the water quality in private water supply wells located within approximately ¼ mile of the site for a period of 15 years. In addition to sampling point of consumption private water supply wells, select remedial investigation monitoring wells are included in the program to provide for tracking post-investigation conditions. Trend analysis of the analytical results will be performed to detect groundwater degradation in advance of drinking water criteria exceedances in the private wells. Unacceptable groundwater degradation, as determined by trend analysis or confirmed by detections in excess of the threshold levels of the contaminants of concern, will trigger implementation of the contingency plan. The contingency plan consists of providing the public with an alternative water source.

The triggering action of this five-year review is the completion of construction in March 1999.

Five-Year Review Summary Form

SITE IDENTIFICATION

Site name (from WasteLAN): Parsons Chemical Works, Inc., Superfund Site

EPA ID (from WasteLAN): MID980476907

Region: V **State:** MI **City/County:** Grand Ledge/Ingham

SITE STATUS

NPL status: Final

Remediation status (choose all that apply): Operating

Multiple OUs? NO

Construction completion date: 03 /29 /1999

Has site been put into reuse? YES

REVIEW STATUS

Lead agency: State

Author name: Ms. Lisa Summerfield

Author title: State Project Manager

Author affiliation: Michigan Department of Environmental Quality

Review period:** 03 / 29 / 1999 to 03 / 29 / 2004

Date(s) of site inspection: 09 / 23 2003

Type of review:

Post-SARA
NPL-Removal only
NPL State/Tribe-lead

All Three of the above conditions apply to this review.

Review number: 1 (first)

Triggering action:

Construction Completion

Triggering action date (from WasteLAN): 03 / 29 / 1999

Due date (five years after triggering action date): 03 / 29 / 2004

* ["OU" refers to operable unit.]

** [Review period should correspond to the actual start and end dates of the Five-Year Review in WasteLAN.]

Five-Year Review Summary Form, cont'd.

Issues:

Although not a requirement of the Record of Decision, a deed restriction preventing the installation of a drinking water well should be placed on the Parsons' property. This is necessary since monitoring well results have had constituents above residential drinking criteria in the past.

Recommendations and Follow-up Actions:

The Michigan Department of Environmental Quality and Barry-Eaton County Health Department will continue to sample residential wells and monitoring wells to ensure protectiveness of the remedy. Michigan Department of Environmental Quality staff will continue to work with the property owner to place a deed restriction on the site property to inhibit any installation of drinking water wells.

Protectiveness Statement(s):

The remedy is protective in the short term of human health and the environment. All immediate threats at the site have been addressed.

Long-term protectiveness of human health and the environment will be verified through continued long-term monitoring of the residential wells.

Other Comments:

None.

I. INTRODUCTION

The Michigan Department of Environmental Quality (MDEQ) conducted this statutory review pursuant to the Comprehensive Environmental Response, Compensation and Liability Act and the National Oil and Hazardous Substances Pollution Contingency Plan (40 CFR Part 300). The purpose of a statutory five-year review is to evaluate whether a completed remedial action remains protective of human health and the environment at sites where hazardous waste remains on-site at levels that do not allow for unlimited use and unrestricted exposure. Response activity has been completed at Parsons (the Site), but regular activity continues in the form of monitoring residential and monitoring wells in a $\frac{1}{4}$ mile radius of the Site. Because remedial action will result in potentially hazardous substances remaining on-site above health-based levels, a five-year review is required. This review and supporting documentation will become part of the administrative record and copies will be placed in the administrative record and local repository for the Site in Grand Ledge, Michigan. This is the first five-year review for the Site.

II. SITE CHRONOLOGY

1988 – National Priorities List proposal

1989 – National Priorities List placement

October 1990 – 1994 Non time-critical removal action – removal of 3,000 cubic yards of contaminated soil, utilizing In-Situ Vitrification

1993-1995 – Remedial Investigation (RI)

9/30/97 – Record of Decision (ROD) signed

December 1997 – MDEQ sampled residential wells

March 29, 1999 – Preliminary Close-Out Report

September 2000 – Environmental Response Division, Superfund Section, Superfund Review Team's review of Parsons' Site

January 2001 – Environmental Response Division submits grant applications for ~ \$160,000 to conduct investigation and determine the presence or potential for groundwater/surface water interface (GSI) impact and need for future groundwater use restrictions.

October 2002 – Results from GSI impact investigation reveal that no further investigation on groundwater is needed.

August 2003 – Start of residential well and monitoring well long-term sampling.

III. BACKGROUND

Physical Characteristics

The Parsons' Site, also known as ETM Enterprises, Inc., occupies approximately six acres on West Jefferson Street, west of the city of Grand Ledge, approximately $\frac{1}{4}$ mile east of the intersection of M-43 and Jefferson Street, Oneida Township. In the immediate vicinity of the former Parsons' plant, Millbrook Printing is located on the south, the Church of the Nazarene and its associated parsonage are located immediately to the west, and commercial operations are located on the north side of Jefferson Street. Two residential subdivisions, Russell Subdivision and Fairview Subdivision, are located immediately east of the Site across Oneida Street. The Grand River is located approximately $\frac{1}{4}$ of a mile north of the plant.

Land and Resource Use

Land use in the area consists of a fiberglass manufacturing business known as ETM Enterprises, Inc. The property immediately surrounding the Site is mostly developed and zoned with a mix of light industrial, commercial and residential properties.

History of Contamination

Parsons, which operated from 1945 through mid-1979, mixed, manufactured, and packaged agricultural chemicals including pesticides, herbicides, solvents, and mercury-based compounds. Floor drains in the Parsons' plant discharged into a septic tank and leach field, which were connected to a catch basin leading to a county drain system. Parsons apparently discharged manufacturing liquid wastes through the drainage system. The drainage system discharged into an unnamed stream northwest of the plant. The stream ultimately discharges into the Grand River. Eventually, the drainage tiles on the steep bank above the unnamed stream washed out, and the liquid discharged onto the bank contaminating the ground. In addition to the discharge of liquid wastes, activities at the plant resulted in the deposition of chemicals on soil primarily around the perimeter of the building, particularly the south side, impacting approximately one acre. In 1979 ETM Enterprises, Inc., purchased the Site and began operating a fiberglass parts manufacturing facility at this location. The connection between the septic system and the county drain was discovered during one of several investigations performed by ETM Enterprises, Inc., in response to environmental concerns about the property. The company had the septic system and tile field removed and now is connected to the Grand Ledge municipal water and sanitary waste systems.

Initial Response

The United States Environmental Protection Agency (EPA) conducted the first of two Non Time-Critical Removal actions at the Site from October 1990 until June 1994. During this removal, 3,000-cubic yards of contaminated soil were remediated utilizing In-Situ Vitrification, an innovative soil remediation technology. At the conclusion of removal number one, an estimated 2,000 cubic yards of contaminated soil remained on-site awaiting a second removal. The contaminated area was fenced and posted to prevent

accidental exposure until the EPA conducted a second Non Time-Critical Removal, which took place in 1998.

The EPA mobilized to the Site in November 1998 to begin the second Non Time-Critical Removal Action of contaminated soil on plant property and along the north side of Jefferson Street where elevated concentrations of arsenic were found. Prior to mobilization, the EPA conducted three sampling events to characterize and quantify the soil to determine the most appropriate response. The project technical planning document, known as the Engineering Evaluation/Cost Analysis, stipulated that the soil be excavated and disposed of in a licensed landfill. During the second removal, 5,102 cubic yards of soil were excavated and disposed of in a licensed landfill. Soil excavation was completed in February 1999. The EPA signed a Preliminary Close-Out Report in March 1999. Site restoration was completed in the summer of 1999 and the final site inspection took place in November 1999.

Basis for Taking Action

A remedial investigation/feasibility study (RI/FS), conducted between 1993 and 1995, consisted of a hydrogeologic investigation, surface water and sediment sampling, assessment of the drainage system, and further assessment of the remaining site soil conditions. The RI revealed that, with the exception of the previously identified contaminated soil (described above), the chemicals detected in soil on the Site pose no acute public health concern. However, a shallow soil sample collected from a boring on the north side of Jefferson Street, off plant property, contained a concentration of 408 parts per million of arsenic. This could pose an acute public health problem via ingestion or direct contact. The RI revealed that shallow groundwater contained the pesticide dieldrin as well as elevated concentrations of several metals related to the former plant operations. These metals include manganese, lead, and arsenic. The shallow groundwater is not in an aquifer, and the likelihood of it or the groundwater in the weathered portions of the bedrock being ingested or used for watering was deemed low. However, in the unlikely event that someone consumed groundwater from the shallow saturated zone or the weathered bedrock, the concentrations of manganese in the water could result in an acute health problem. Samples collected 20 feet into the bedrock aquifer, the area drinking water source, complied with all applicable health-based drinking water criteria. Water supply wells in the vicinity are installed more than 100 feet deep which should assure water quality. However, the potential for chemicals of concern in the shallow groundwater and the weathered bedrock to migrate to private wells was not quantified during the RI. Because approximately 67 residences and businesses adjacent to the Site rely on private wells for their water supply, a long-term monitoring response was selected in the ROD signed on September 30, 1997, to address this unquantified potential threat. The residential wells sampled during the RI revealed no contamination.

IV. REMEDIAL ACTION

Remedy Selection

The MDEQ and the EPA signed the ROD in 1997 for long-term monitoring of groundwater. The primary components of the remedy were as follows:

- Long-term monitoring of private water supply wells;
- Long-term monitoring of selected on-site monitoring wells;
- Trend analysis of analytical results to identify indications of groundwater degradation and potential threat to human health;
- Monitoring for exceedance of threshold levels for dieldrin or arsenic; and,
- Contingency plan alternate water supply in event of unacceptable groundwater degradation while the existing Grand Ledge municipal water supply system is extended and private wells are connected.

Remedy Implementation

Two Non Time-Critical Removal Actions were conducted by the EPA at the Site, the first removal action took place from 1990 to 1994 and the second one took place from 1998 through 1999, in which a total estimated 8,100 cubic yards of soils were either remediated or excavated from the Site. The results of the soil sampling conducted as part of the remedial investigation revealed that minimal unacceptable levels of contamination remained on the Site.

Activities to comply with requirements for the 1997 ROD began in December 1997. The MDEQ sampled all of the private water supply wells in the vicinity of the Site, where property owners granted access, to establish a baseline of residential water quality data. These samples were analyzed for pesticides and seven metals. No pesticides were detected in the water samples. No metals exceeded the generic health-based residential drinking water standards. However, manganese was detected in about half of the wells above the aesthetic criterion for manganese. The aesthetic criterion, typically associated with non health-related objectionable characteristics such as taste or staining, is 50 parts per billion for manganese. The MDEQ provided each well owner with a copy of the results of their well analyses and a letter explaining the results.

Using funding provided by the EPA, the MDEQ began the remedial design (RD) in 1998. The purpose of the RD was to determine if the source of the manganese contamination was a result of the Parsons' Site. Because the concentration of manganese in some wells exceeded the criterion for manganese, the MDEQ wanted to determine whether its presence could be attributed to the former Parsons' operations or was naturally occurring. This was accomplished through several tasks. First, all of the manganese data related to this Site was combined and assessed comprehensively to determine if a historic pattern could be established. Second, all of the existing Site monitoring wells and six residential wells were sampled for manganese, and a complete round of static water level measurements was taken in October 1999. These data were used to develop new groundwater elevation contour maps to aid in the third task, which consisted of drilling three borings hydraulically upgradient of the Site and the adjacent subdivisions and

sampling them at frequent intervals to a depth of 180 feet. In addition to manganese, the samples were analyzed for aluminum, arsenic, lead, and zinc. Arsenic and lead had been identified as chemicals of concern during the RI. Aluminum and zinc were included because, while use of these metals at Parsons is not documented, they were detected in Site monitoring wells at elevated concentrations.

Upon evaluation of the data, the MDEQ determined that, while arsenic and lead do not appear to be present at elevated levels upgradient of the Parsons' Site, manganese, aluminum, and zinc are all present at elevated concentrations at multiple vertical intervals in the background wells. It was concluded that the presence of elevated concentrations of these metals in Site monitoring wells and some residential wells is not attributable to the former Parsons' plant. In the most recent Site monitoring well sampling, it was discovered that the concentration of arsenic has increased in one monitoring well located off plant property in the direction hydraulically downgradient from the former plant. The concentration of arsenic exceeds applicable criteria for drinking water and for the generic GSI. No drinking water wells are impacted by this increase in arsenic. However, MDEQ staff determined that the potential impact on surface water and the possible need to restrict future use of groundwater in locations not currently developed should be investigated.

The MDEQ obtained funding from the EPA in October 2002 for 90 percent of the downgradient investigation and implementation of the long-term monitoring required by the ROD. In late October 2002, MDEQ staff performed a groundwater sampling investigation downgradient from the former Parsons' Site. The samples were submitted to a private laboratory for analysis. The analytical results from these samples were evaluated and it was determined that additional investigation was not necessary.

The MDEQ initiated the drinking-water well long-term monitoring program in 2003.

Operation and Maintenance

The selected remedy utilizes long-term monitoring with a contingency plan to assure protection of public health. The long-term monitoring consists of monitoring the water quality in private water supply wells located within approximately $\frac{1}{4}$ mile of the Site for a period of 15 years. This monitoring effort started in August of 2003 and will continue until August of 2018. In addition, select RI monitoring wells have been included into the sampling program to provide for tracing post-investigation conditions. Trend analysis of the analytical results will be performed to detect groundwater degradation in advance of drinking water criteria exceedances in the private wells. The contingency plan consists of providing the public with an alternate water supply such as bottled water until such time that all residents are connected to the Grand Ledge municipal water supply system.

Enforcement Activity

The state of Michigan has notified the current property owner in writing that the state will not consider him liable for any contamination that is attributable to the former Parsons' operations. The EPA determined that there are no viable responsible parties.

Costs

The total estimated cost for the remedy at the Parsons' Site is \$209,000.

V. PROGRESS SINCE THE LAST FIVE-YEAR REVIEW

This was the first Five-Year Review for Parsons.

VI. FIVE-YEAR REVIEW PROCESS

This Five-Year Review Report was written and completed by MDEQ staff, based on the technical review of the Site by members of MDEQ staff. This Five-Year Review Report was written by Ms. Lisa Summerfield, MDEQ's project manager. The MDEQ's geologist for the Site is Mr. William Bolio.

From October 2003 to March 2004, MDEQ staff reviewed the Site's history whose components included:

- Community Involvement;
- Document Review;
- Site Inspection;
- Local contact with the public.

Community Involvement

There has not been active interest in the Site since the end of the in-situ remedy and the period when the residents were told that their wells would be monitored. Just recently the remedial action in the form of monitoring the residential wells and the monitoring wells on site has updated the community on the status of the Site. The MDEQ, in conjunction with the Barry-Eaton Health Department, sent the residents an informational letter as well as notifying them that the long-term residential well sampling and monitoring well sampling would commence. Only two residents contacted the MDEQ with questions concerning their well analysis or the Site in general. One question was regarding the sample "terminology" which was explained to the resident in more layman's terms. The other question was from a potential home buyer who stated that the Superfund Site in proximity to the residence in question was not disclosed in the purchasing procedures. Copies of requested information were sent to the party. Other than these two inquiries, the overall involvement from the community has been minimal; therefore, no additional community interviews were conducted for the five-year review. However, a notice will be provided regarding the availability of this report to the general public in a newspaper of local interest, the Grand Ledge Independent. The MDEQ will provide further community involvement events if additional community interest results from this Five-Year Review Report.

This Five-Year Review Report will be placed with all other site-related documents as part of the Administrative Record File, available for public inspection at the following location:

Grand Ledge Public Library
131 Jefferson Street
Grand Ledge, Michigan

The administrative record may also be viewed at:

United States Environmental Protection Agency
Region 5
77 West Jackson Boulevard
Chicago, Illinois

Document Review

The documents that were reviewed for this five-year review were residential well analysis data and monitoring well analysis data, and other past written documents for historical information, including the ROD and the on-scene coordinator's pollution reports for the Site.

Data Review

Since the monitoring of the residential wells and monitoring wells only started in August of 2003, only one data set is available on which to draw conclusions. This Site is scheduled for 15 years of long-term monitoring so the picture to date is that of no impacts to any residential wells within $\frac{1}{4}$ mile of the site. Residential well and monitoring well data are attached in Appendix A. Residential well sampling will occur on an annual basis and will be reviewed by both the MDEQ and Barry-Eaton County Health Department staff.

Site Inspection

A site inspection was conducted on September 23, 2003, by members of the MDEQ during monitoring well sampling. The purpose of the inspection was to assess the protectiveness of the remedy, mainly the condition of the wells since the remedy is that of monitoring groundwater. During the sampling and inspection of the monitoring wells, almost all required new locks due to the weathered and sometimes compromised condition of the old wells. No breeches in the wells were noted.

Interviews

During the development of this Five-Year Review Report, residential well and monitoring well sampling was completed twice. Community notice letters were sent out with a Site update as well as an explanation and dates for the door-to-door sampling. The MDEQ project manager was contacted by only one resident indicating that they were now on city water. Another resident was talked to in person regarding the terminology used by the lab report when it was mailed to the resident's home. The MDEQ provided historical information to an area realtor for the listing of a home in the area. Other than the contacts with the community as stated above, interest in the Site dropped dramatically since the remediation at the Site. No formal interviews were deemed necessary at the Site.

VII. TECHNICAL ASSESSMENT

Question A: Is the remedy functioning as intended by the decision document?

As of this date, the results of the residential well monitoring indicate that no residential wells have been affected by the Parsons' Site.

Question B: Are the exposure assumptions, toxicity data cleanup levels and remedial action objects used at the time of the remedy selection still valid?

There have been no changes in toxicity factors for the contaminants of concern that were used in the baseline risk assessment. These assumptions are considered to be conservative and reasonable in evaluating risk associated with the Site. No change to the assumptions or the cleanup levels developed from them are warranted. The remedy is progressing as expected and it is expected that the residential well monitoring program is sufficient to monitor the protectiveness of the remedy.

Question C: Has any other information come to light that could call into question the protectiveness of the remedy?

All residential well analyses indicated no impacts to the groundwater to date. There have been no changes in the physical conditions of the Site that would affect the protectiveness of the remedy.

VIII. ISSUES

Although not a requirement of the ROD, a deed restriction preventing the installation of a drinking water well should be placed on the Parsons' property. This is necessary since monitoring well results have had constituents above residential drinking criteria in the past.

IX. RECOMMENDATIONS AND FOLLOW-UP ACTIONS

The MDEQ and Barry-Eaton County Health Department will continue to sample residential wells and monitoring wells to ensure protectiveness of the remedy. The MDEQ staff will continue to work with the property owner to place a deed restriction on the Site property to inhibit any installation of drinking water wells.

X. PROTECTIVENESS STATEMENT

The remedy is protective in the short term of human health and the environment. All immediate threats at the Site have been addressed.

Long term protectiveness of human health and the environment will be verified through continued long term monitoring of the residential wells.

XI. NEXT REVIEW

The next five-year review for the Site will be completed five years from this report in April 2009.



MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
ENVIRONMENTAL LABORATORY

P.O. Box 30270

Lansing, MI 48909

TEL: (517) 335-9800

FAX: (517) 335-9600

Division: RRD

Report to: LISA SUMMERFIELD
MDEQ-RRD-SUPERFUND,
CONSTITUTION HALL
525 W. ALLEGAN, LANSING, MI 48909

Total: \$3,662.67

Lab Work Order #: 30900257
Work Site ID: 23000010
Site Name: PARSONS CHEMICAL WOR
Received: 09/25/2003
Reported: 10/16/2003
Collected By: MICHAEL HARRIS & LISA S

Samples Received :

No:	Sample ID	Sample Description	Matrix:	Collection Date
01	AA19003	MW #6 GROUNDWATER	WATER	09/23/2003
02	AA19004	MW #10 GROUNDWATER	WATER	09/23/2003
03	AA19005	MW #18 GROUNDWATER	WATER	09/23/2003
04	AA19006	MW #2 GROUNDWATER	WATER	09/24/2003
05	AA19007	MW #9 GROUNDWATER	WATER	09/24/2003
06	AA19008	MW #3 GROUNDWATER	WATER	09/24/2003
07	AA19009	MW #4 GROUNDWATER	WATER	09/24/2003
08	AA19010	MW #1 GROUNDWATER	WATER	09/24/2003
09	AA19011	MW #8 GROUNDWATER	WATER	09/24/2003
10	AA19012	MW #17 GROUNDWATER	WATER	09/24/2003
11	AA19013	MW #4 DUPLICATE	WATER	09/24/2003

I certify that the analysis performed by the MDEQ Environmental Laboratory are accurate and that the laboratory tests were conducted by methods approved by the U.S. Environmental Protection Agency and other appropriate regulatory agencies.

Bob Avery, Laboratory Director



MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
ENVIRONMENTAL LABORATORY

P.O. Box 30270

Lansing, MI 48909

TOLL (517) 335-9800

FAX: (517) 335-9600

Sample Number: AA19003 MW #6 GROUNDWATER

Pesticides and PCBs

Analytical Method:	8081,8082	Date Tested:	10/03/2003	Analyst:	JB	Qualifer:	Volume:	990
Extraction Method:	3510	Extraction Date:	09/30/2003					
CAS #	Compound		Result ug/L	RL	Qualifer		Dilution Factor	
SURROGATE	#Decachlorobiphenyl#		85.3					
SURROGATE	#Tetrachloro-m-xylene#		55.0					
72-54-8	4,4'-DDD		Not Detected	0.02			1.0	
72-55-9	4,4'-DDE		Not Detected	0.02			1.0	
50-29-3	4,4'-DDT		Not Detected	0.02			1.0	
319-84-6	a-BHC		Not Detected	0.02			1.0	
5103-71-9	a-Chlordane		Not Detected	0.02			1.0	
309-00-2	Aldrin		Not Detected	0.02			1.0	
12674-11-2	Aroclor 1016		Not Detected	0.10			1.0	
11104-28-2	Aroclor 1221		Not Detected	0.10			1.0	
11141-16-5	Aroclor 1232		Not Detected	0.10			1.0	
53469-21-9	Aroclor 1242		Not Detected	0.10			1.0	
12672-29-6	Aroclor 1248		Not Detected	0.10			1.0	
11097-69-1	Aroclor 1254		Not Detected	0.10			1.0	
11096-82-5	Aroclor 1260		Not Detected	0.10			1.0	
37324-23-5	Aroclor 1262		Not Detected	0.10			1.0	
11100-14-4	Aroclor 1268		Not Detected	0.10			1.0	
319-85-7	b-BHC		Not Detected	0.02			1.0	
319-86-8	d-BHC		Not Detected	0.02			1.0	
60-57-1	Dieldrin		Not Detected	0.02			1.0	
959-98-8	Endosulfan I		Not Detected	0.02			1.0	
33213-65-9	Endosulfan II		Not Detected	0.05			1.0	
1031-07-8	Endosulfan sulfate		Not Detected	0.05			1.0	
72-20-8	Endrin		Not Detected	0.02			1.0	
7421-93-4	Endrin aldehyde		Not Detected	0.05			1.0	
53494-70-5	Endrin ketone		Not Detected	0.05			1.0	
58-89-9	g-BHC		Not Detected	0.02			1.0	
5103-74-2	g-Chlordane		Not Detected	0.02			1.0	
76-44-8	Heptachlor		Not Detected	0.02			1.0	
1024-57-3	Heptachlor epoxide		Not Detected	0.02			1.0	
87-82-1	Hexabromobenzene		Not Detected	0.02			1.0	
72-43-5	Methoxychlor		Not Detected	0.05			1.0	
2385-85-5	Mirex		Not Detected	0.02			1.0	
59080-40-9	PBB (BP-6)		Not Detected	0.05			1.0	
8001-35-2	Toxaphene		Not Detected	0.10			1.0	

CASE : Chemical Abstract Service Registry Number
RL : Reporting Limit
ND : Not Detected

ng/L : microgram/liter (ppb)
mg/L : milligram/liter (ppm)
ug/Kg : microgram/kilogram (ppb)
mg/Kg : milligram/kilogram (ppm)

Laboratory Contacts
Inorganic Unit Mgr: Sandy Gregg
Organic Unit Mgr: Carol Smith
Systems Mgmt Unit: George Krisztian



MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
ENVIRONMENTAL LABORATORY

P.O. Box 30270

Lansing, MI 48909

TEL: (517) 325-9800

FAX: (517) 325-9600

Sample Number AA19003 MW #6 GROUNDWATER

CAS#	Analyte Name	Result	Unit	RL	Qualifier	Date Tested	Method	Analyst
	Digestion Metals Water	Completed				10/01/2003	3015/200	TK
	Digestion Mercury Water	Completed				10/08/2003	7470/245.1	RS
7439-97-6	Mercury - Total	ND	µg/L	0.2		10/09/2003	7470/245.1	TS
7429-90-5	Aluminium - Total	120	µg/L	50		10/08/2003	6020/200.8	KS
7440-38-2	Arsenic - Total	ND	µg/L	1		10/03/2003	6020/200.8	KS
7440-39-3	Barium - Total	220	µg/L	5		10/03/2003	6020/200.8	KS
7440-43-9	Cadmium - Total	ND	µg/L	0.2		10/03/2003	6020/200.8	KS
7440-47-3	Chromium - Total	4.0	µg/L	1		10/03/2003	6020/200.8	KS
7440-50-8	Copper - Total	3.3	µg/L	1		10/03/2003	6020/200.8	KS
7439-92-1	Lead - Total	ND	µg/L	1		10/03/2003	6020/200.8	KS
7439-96-5	Manganese - Total	450	µg/L	5		10/07/2003	6020/200.8	KS
7782-49-2	Selenium - Total	ND	µg/L	1		10/03/2003	6020/200.8	KS
7440-22-4	Silver -Total	ND	µg/L	0.5		10/03/2003	6020/200.8	KS
7440-66-6	Zinc - Total	ND	µg/L	10		10/03/2003	6020/200.8	KS
7439-89-6	Iron - Total	410	µg/L	20		10/08/2003	6010/200.7	WN

CAS# : Chemical Abstract Service Registry Number
RL : Reporting Limit

ND : Not Detected

ug / L : microgram / liter (ppb)
mg / L : milligram / liter (ppm)
ug / Kg : microgram / kilogram (ppb)
mg / Kg : milligram / kilogram (ppm)

Laboratory Contacts
Inorganic Unit Mgr: Sandy Gregg
Organic Unit Mgr: Carol Smith
Systems Mgmt Unit: George Krisztian



MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
ENVIRONMENTAL LABORATORY

P.O. Box 30270

Lansing, MI 48909

TEL: (517) 335-9800

FAX: (517) 335-9600

Sample Number: AA19004 MW#10 GROUNDWATER

Pesticides and PCBs

Analytical Method:	8081.8082	Date Tested:	10/03/2003	Analyst:	JB	Qualifer:	Volume:	985	Dilution Factor
Extraction Method:	3510	Extraction Date:	09/30/2003	RL		Qualifer			
CAS #	Compound		Result, ug/L						
SURROGATE	#Decachlorobiphenyl#		81.3						
SURROGATE	#Tetrachloro-m-xylene#		27.5						
72-54-8	4,4'-DDD		Not Detected	0.02			1.0		
72-55-9	4,4'-DDE		Not Detected	0.02			1.0		
50-29-3	4,4'-DDT		Not Detected	0.02			1.0		
319-84-6	a-BHC		Not Detected	0.02			1.0		
5103-71-9	a-Chlordane		Not Detected	0.02			1.0		
309-00-2	Aldrin		Not Detected	0.02			1.0		
12674-11-2	Aroclor 1016		Not Detected	0.10			1.0		
11104-28-2	Aroclor 1221		Not Detected	0.10			1.0		
11141-16-5	Aroclor 1232		Not Detected	0.10			1.0		
53469-21-9	Aroclor 1242		Not Detected	0.10			1.0		
12672-29-6	Aroclor 1248		Not Detected	0.10			1.0		
11097-69-1	Aroclor 1254		Not Detected	0.10			1.0		
11096-82-5	Aroclor 1260		Not Detected	0.10			1.0		
37324-23-5	Aroclor 1262		Not Detected	0.10			1.0		
11100-14-4	Aroclor 1268		Not Detected	0.10			1.0		
319-85-7	b-BHC		Not Detected	0.02			1.0		
319-86-8	d-BHC		Not Detected	0.02			1.0		
60-57-1	Dieldrin		Not Detected	0.02			1.0		
959-98-8	Endosulfan I		Not Detected	0.02			1.0		
33213-65-9	Endosulfan II		Not Detected	0.05			1.0		
1031-07-8	Endosulfan sulfate		Not Detected	0.05			1.0		
72-20-8	Endrin		Not Detected	0.02			1.0		
7421-93-4	Endrin aldehyde		Not Detected	0.05			1.0		
53494-70-5	Endrin ketone		Not Detected	0.05			1.0		
58-89-9	g-BHC		Not Detected	0.02			1.0		
5103-74-2	g-Chlordane		Not Detected	0.02			1.0		
76-44-8	Heptachlor		Not Detected	0.02			1.0		
1024-57-3	Heptachlor époxyde		Not Detected	0.02			1.0		
87-82-1	Hexabromobenzene		Not Detected	0.02			1.0		
72-43-5	Methoxychlor		Not Detected	0.05			1.0		
2385-85-5	Mirex		Not Detected	0.02			1.0		
59080-40-9	PBB (BP-6)		Not Detected	0.05			1.0		
8001-35-2	Toxaphene		Not Detected	0.10			1.0		

CAS# : Chemical Abstract Service Registry Number

RL : Reporting Limit

ND : Not Detected

ug / L : microgram / liter (ppb)

mg / L : milligram / liter (ppm)

ug / Kg : microgram / kilogram (ppb)

mg / Kg : milligram / kilogram (ppm)

Laboratory Contacts

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Sample Number	AA19004	MW #10 GROUNDWATER						
CAS#	Analyte Name	Result	Unit	RL	Qualifier	Date Tested	Method	Analyst
	Digestion Metals Water	Completed				10/01/2003	3015-200	TK
	Digestion Mercury Water	Completed				10/08/2003	7470/245.1	RS
7439-97-6	Mercury - Total	ND	µg/L	0.2		10/09/2003	7470/245.1	TS
7429-90-5	Aluminium - Total	ND	µg/L	50		10/08/2003	6020/200.8	KS
7440-38-2	Arsenic - Total	6.4	µg/L	1		10/03/2003	6020/200.8	KS
7440-39-3	Barium - Total	190	µg/L	5		10/03/2003	6020/200.8	KS
7440-43-9	Cadmium - Total	ND	µg/L	0.2		10/03/2003	6020/200.8	KS
7440-47-3	Chromium - Total	ND	µg/L	1		10/03/2003	6020/200.8	KS
7440-50-8	Copper - Total	ND	µg/L	1		10/03/2003	6020/200.8	KS
7439-92-1	Lead - Total	ND	µg/L	1		10/03/2003	6020/200.8	KS
7439-96-5	Manganese - Total	35	µg/L	5		10/07/2003	6020/200.8	KS
7782-49-2	Selenium - Total	ND	µg/L	1		10/03/2003	6020/200.8	KS
7440-22-4	Silver - Total	ND	µg/L	0.5		10/03/2003	6020/200.8	KS
7440-66-6	Zinc - Total	290	µg/L	10		10/03/2003	6020/200.8	KS
7439-89-6	Iron - Total	1500	µg/L	20		10/08/2003	6010/200.7	WN

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Sample Number: AA19005 MW #18 GROUNDWATER

Pesticides and PCBs

Analytical Method:	Extraction Method:	Date Tested:	Analyst:	Qualifier:	Volume:	Dilution Factor
		0801.8082	3510			
CAS #	Compound			Result ug/L	RL	Qualifier
SURROGATE	#Decachlorobiphenyl#	55.3				
SURROGATE	#Tetrachloro-m-xylene#	31.9				
72-54-8	4,4'-DDD	Not Detected	0.02		1.0	
72-55-9	4,4'-DDE	Not Detected	0.02		1.0	
50-29-3	4,4'-DDT	Not Detected	0.02		1.0	
319-84-6	a-BHC	Not Detected	0.02		1.0	
5103-71-9	a-Chlordane	Not Detected	0.02		1.0	
309-00-2	Aldrin	Not Detected	0.02		1.0	
12674-11-2	Aroclor 1016	Not Detected	0.10		1.0	
11104-28-2	Aroclor 1221	Not Detected	0.10		1.0	
11141-16-5	Aroclor 1232	Not Detected	0.10		1.0	
53469-21-9	Aroclor 1242	Not Detected	0.10		1.0	
12672-29-6	Aroclor 1248	Not Detected	0.10		1.0	
11097-69-1	Aroclor 1254	Not Detected	0.10		1.0	
11096-82-5	Aroclor 1260	Not Detected	0.10		1.0	
37324-23-5	Aroclor 1262	Not Detected	0.10		1.0	
11100-14-4	Aroclor 1268	Not Detected	0.10		1.0	
319-85-7	b-BHC	Not Detected	0.02		1.0	
319-86-8	d-BHC	Not Detected	0.02		1.0	
60-57-1	Dieldrin	Not Detected	0.02		1.0	
959-98-8	Endosulfan I	Not Detected	0.02		1.0	
33213-65-9	Endosulfan II	Not Detected	0.05		1.0	
1031-07-8	Endosulfan sulfate	Not Detected	0.05		1.0	
72-20-8	Endrin	Not Detected	0.02		1.0	
7421-93-4	Endrin aldehyde	Not Detected	0.05		1.0	
53494-70-5	Endrin ketone	Not Detected	0.05		1.0	
58-89-9	g-BHC	Not Detected	0.02		1.0	
5103-74-2	g-Chlordane	Not Detected	0.02		1.0	
76-44-8	Heptachlor	Not Detected	0.02		1.0	
1024-57-3	Heptachlor epoxide	Not Detected	0.02		1.0	
87-82-1	Hexabromobenzene	Not Detected	0.02		1.0	
72-43-5	Methoxychlor	Not Detected	0.05		1.0	
2385-85-5	Mirex	Not Detected	0.02		1.0	
59080-40-9	PBB(BP-6)	Not Detected	0.05		1.0	
8001-35-2	Toxaphene	Not Detected	0.10		1.0	

CAS# : Chemical Abstract Service Registry Number
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ND : Not Detected

ug / L : microgram / liter (ppb)
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Sample Number AA19005 MW #18 GROUNDWATER

CAS#	Analyte Name	Result	Unit	RL	Qualifier	Date Tested	Method	Analyst
	Digestion Metals Water	Completed				10/01/2003	3015/200	TK
	Digestion Mercury Water	Completed				10/08/2003	7470/245.1	RS
7439-97-6	Mercury - Total	ND	µg/L	0.2		10/09/2003	7470/245.1	TS
7429-90-5	Aluminum - Total	ND	µg/L	50		10/08/2003	6020/200.8	KS
7440-38-2	Arsenic - Total	1.6	µg/L	1		10/03/2003	6020/200.8	KS
7440-39-3	Barium - Total	97	µg/L	5		10/03/2003	6020/200.8	KS
7440-43-9	Cadmium - Total	0.22	µg/L	0.2		10/03/2003	6020/200.8	KS
7440-47-3	Chromium - Total	ND	µg/L	1		10/03/2003	6020/200.8	KS
7440-50-8	Copper - Total	ND	µg/L	1		10/03/2003	6020/200.8	KS
7439-92-1	Lead - Total	ND	µg/L	1		10/03/2003	6020/200.8	KS
7439-96-5	Manganese - Total	57	µg/L	5		10/07/2003	6020/200.8	KS
7782-49-2	Selenium - Total	ND	µg/L	1		10/07/2003	6020/200.8	KS
7440-22-4	Silver - Total	ND	µg/L	0.5		10/03/2003	6020/200.8	KS
7440-66-6	Zinc - Total	25000	µg/L	10	D	10/07/2003	6020/200.8	KS
7439-89-6	Iron - Total	450	µg/L	20		10/08/2003	6010/200.7	WN

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ng/L : microgram/liter (ppb)
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Sample Number: AA19006 MW #2 GROUNDWATER

Pesticides and PCBs

Analytical Method:	8081,8082	Date Tested:	10/03/2003	Analyst:	JB	Qualifer:	Volume:	985
Extraction Method:	3510	Extraction Date:	09/30/2003	RL	Qualifer	Dilution Factor		
CAS #	Compound	Result ug/L						
SURROGATE	#Decachlorobiphenyl#	79.2						
SURROGATE	#Tetrachloro-m-xylene#	24.6						
72-54-8	4,4'-DDD	Not Detected	0.02			1.0		
72-55-9	4,4'-DDE	Not Detected	0.02			1.0		
50-29-3	4,4'-DDT	Not Detected	0.02			1.0		
319-84-6	a-BHC	Not Detected	0.02			1.0		
5103-71-9	a-Chlordane	Not Detected	0.02			1.0		
309-00-2	Aldrin	Not Detected	0.02			1.0		
12674-11-2	Aroclor 1016	Not Detected	0.10			1.0		
11104-28-2	Aroclor 1221	Not Detected	0.10			1.0		
11141-16-5	Aroclor 1232	Not Detected	0.10			1.0		
53469-21-9	Aroclor 1242	Not Detected	0.10			1.0		
12672-29-6	Aroclor 1248	Not Detected	0.10			1.0		
11097-69-1	Aroclor 1254	Not Detected	0.10			1.0		
11096-82-5	Aroclor 1260	Not Detected	0.10			1.0		
37324-23-5	Aroclor 1262	Not Detected	0.10			1.0		
11100-14-4	Aroclor 1268	Not Detected	0.10			1.0		
319-85-7	b-BHC	Not Detected	0.02			1.0		
319-86-8	d-BHC	Not Detected	0.02			1.0		
60-57-1	Dieldrin	0.021	0.02			1.0		
959-98-8	Endosulfan I	Not Detected	0.02			1.0		
33213-65-9	Endosulfan II	Not Detected	0.05			1.0		
1031-07-8	Endosulfan sulfate	Not Detected	0.05			1.0		
72-20-8	Endrin	Not Detected	0.02			1.0		
7421-93-4	Endrin aldehyde	Not Detected	0.05			1.0		
53494-70-5	Endrin ketone	Not Detected	0.05			1.0		
58-89-9	g-BHC	Not Detected	0.02			1.0		
5103-74-2	g-Chlordane	Not Detected	0.02			1.0		
76-44-8	Heptachlor	Not Detected	0.02			1.0		
1024-57-3	Heptachlor epoxide	Not Detected	0.02			1.0		
87-82-1	Hexabromobenzene	Not Detected	0.02			1.0		
72-43-5	Methoxychlor	Not Detected	0.05			1.0		
2385-85-5	Mirex	Not Detected	0.02			1.0		
59080-40-9	PBB (BP-6)	Not Detected	0.05			1.0		
8001-35-2	Toxaphene	Not Detected	0.10			1.0		

CAS# : Chemical Abstract Service Registry Number

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Sample Number AA19006 MW #2 GROUNDWATER

CAS#	Analyte Name	Result	Unit	RL	Qualifier	Date Tested	Method	Analyst
	Digestion Metals Water	Completed				10/01/2003	3015/200	TK
	Digestion Mercury Water	Completed				10/08/2003	7470/245.1	RS
7439-97-6	Mercury - Total	ND	µg/L	0.2		10/09/2003	7470/245.1	TS
7429-90-5	Aluminium - Total	ND	µg/L	50		10/08/2003	6020/200.8	KS
7440-38-2	Arsenic - Total	ND	µg/L	1		10/03/2003	6020/200.8	KS
7440-39-3	Barium - Total	47	µg/L	5		10/03/2003	6020/200.8	KS
7440-43-9	Cadmium - Total	3.4	µg/L	0.2		10/03/2003	6020/200.8	KS
7440-47-3	Chromium - Total	ND	µg/L	1		10/03/2003	6020/200.8	KS
7440-50-8	Copper - Total	ND	µg/L	1		10/03/2003	6020/200.8	KS
7439-92-1	Lead - Total	32	µg/L	1		10/03/2003	6020/200.8	KS
7439-96-5	Manganese - Total	37	µg/L	5		10/07/2003	6020/200.8	KS
7782-49-2	Selenium - Total	ND	µg/L	1		10/03/2003	6020/200.8	KS
7440-22-4	Silver - Total	ND	µg/L	0.5		10/03/2003	6020/200.8	KS
7440-66-6	Zinc - Total	4700	µg/L	10	D	10/07/2003	6020/200.8	KS
7439-89-6	Iron - Total	300	µg/L	20		10/08/2003	6010/200.7	WN

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Sample Number: AA19007 MW #9 GROUNDWATER

Pesticides and PCBs

CAS #	Compound	Date Tested:	10/03/2003	Analyst:	JB	Volume:	985
		Extraction Date:	09/30/2003	Qualifier:		Qualifier	Dilution Factor
SURROGATE	#Decachlorobiphenyl#		69.1				
SURROGATE	#Tetrachloro-m-xylene#		28.2				
72-54-8	4,4'-DDD		Not Detected	0.02		1.0	
72-55-9	4,4'-DDE		Not Detected	0.02		1.0	
50-29-3	4,4'-DDT		Not Detected	0.02		1.0	
319-84-6	a-BHC		Not Detected	0.02		1.0	
5103-71-9	a-Chlordane		Not Detected	0.02		1.0	
309-00-2	Aldrin		Not Detected	0.02		1.0	
12674-11-2	Aroclor 1016		Not Detected	0.10		1.0	
11104-28-2	Aroclor 1221		Not Detected	0.10		1.0	
11141-16-5	Aroclor 1232		Not Detected	0.10		1.0	
53469-21-9	Aroclor 1242		Not Detected	0.10		1.0	
12672-29-6	Aroclor 1248		Not Detected	0.10		1.0	
11097-69-1	Aroclor 1254		Not Detected	0.10		1.0	
11096-82-5	Aroclor 1260		Not Detected	0.10		1.0	
37324-23-5	Aroclor 1262		Not Detected	0.10		1.0	
11100-14-4	Aroclor 1268		Not Detected	0.10		1.0	
319-85-7	b-BHC		Not Detected	0.02		1.0	
319-86-8	d-BHC		Not Detected	0.02		1.0	
60-57-1	Dieldrin		Not Detected	0.02		1.0	
959-98-8	Endosulfan I		Not Detected	0.02		1.0	
33213-65-9	Endosulfan II		Not Detected	0.05		1.0	
1031-07-8	Endosulfan sulfate		Not Detected	0.05		1.0	
72-20-8	Endrin		Not Detected	0.02		1.0	
7421-93-4	Endrin aldehyde		Not Detected	0.05		1.0	
53494-70-5	Endrin ketone		Not Detected	0.05		1.0	
58-89-9	g-BHC		Not Detected	0.02		1.0	
5103-74-2	g-Chlordane		Not Detected	0.02		1.0	
76-44-8	Heptachlor		Not Detected	0.02		1.0	
1024-57-3	Heptachlor epoxide		Not Detected	0.02		1.0	
87-82-1	Hexabromobenzene		Not Detected	0.02		1.0	
72-43-5	Methoxychlor		Not Detected	0.05		1.0	
2385-85-5	Mirex		Not Detected	0.02		1.0	
59080-40-9	PBB (BP-6)		Not Detected	0.05		1.0	
8001-35-2	Toxaphene		Not Detected	0.10		1.0	

CAS# : Chemical Abstract Service Registry Number
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Sample Number AA19007 MW #9 GROUNDWATER

CAS#	Analyte Name	Result	Unit	RL	Qualifier	Date Tested	Method	Analyst
	Digestion Metals Water	Completed				10/01/2003	3015/200	TK
	Digestion Mercury Water	Completed				10/08/2003	7470/245.1	RS
7439-97-6	Mercury - Total	ND	µg/L	0.2		10/09/2003	7470/245.1	TS
7429-90-5	Aluminium - Total	70	µg/L	50		10/08/2003	6020/200.8	KS
7440-38-2	Arsenic - Total	28	µg/L	1		10/03/2003	6020/200.8	KS
7440-39-3	Barium - Total	110	µg/L	5		10/03/2003	6020/200.8	KS
7440-43-9	Cadmium - Total	2.8	µg/L	0.2		10/03/2003	6020/200.8	KS
7440-47-3	Chromium - Total	ND	µg/L			10/03/2003	6020/200.8	KS
7440-50-8	Copper - Total	1.2	µg/L	1		10/03/2003	6020/200.8	KS
7439-92-1	Lead - Total	21	µg/L	1		10/03/2003	6020/200.8	KS
7439-96-5	Manganese - Total	69	µg/L	5		10/07/2003	6020/200.8	KS
7782-49-2	Selenium - Total	ND	µg/L			10/03/2003	6020/200.8	KS
7440-22-4	Silver - Total	ND	µg/L	0.5		10/03/2003	6020/200.8	KS
7440-66-6	Zinc - Total	9400	µg/L	10	D	10/07/2003	6020/200.8	KS
7439-89-6	Iron - Total	6800	µg/L	20		10/08/2003	6010/200.7	WN

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Systems Mgmt Unit: George Krisztian



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ENVIRONMENTAL LABORATORY

P.O. Box 30270

Lansing, MI 48909

TEL: (517) 335-9800

FAX: (517) 335-9600

Sample Number: AA19008 MW #3 GROUNDWATER

Pesticides and PCBs

Analytical Method: 8081.8082

Date Tested: 10/03/2003

Analyst: JB

Extraction Method: 3510

Extraction Date: 09/30/2003

Qualifier:

Volume: 985

CAS # Compound

CAS #	Compound	Date Tested	Extraction Date	Result ug/L	RL	Qualifier	Volume	Dilution Factor
	#Decachlorobiphenyl#			78.4				
	#Tetrachloro-m-xylene#			32.5				
72-54-8	4,4'-DDD			Not Detected	0.02		1.0	
72-55-9	4,4'-DDE			Not Detected	0.02		1.0	
50-29-3	4,4'-DDT			Not Detected	0.02		1.0	
319-84-6	a-BHC			Not Detected	0.02		1.0	
5103-71-9	a-Chlordane			Not Detected	0.02		1.0	
309-00-2	Aldrin			Not Detected	0.02		1.0	
12674-11-2	Aroclor 1016			Not Detected	0.10		1.0	
11104-28-2	Aroclor 1221			Not Detected	0.10		1.0	
11141-16-5	Aroclor 1232			Not Detected	0.10		1.0	
53469-21-9	Aroclor 1242			Not Detected	0.10		1.0	
12672-29-6	Aroclor 1248			Not Detected	0.10		1.0	
11097-69-1	Aroclor 1254			Not Detected	0.10		1.0	
11096-82-5	Aroclor 1260			Not Detected	0.10		1.0	
37324-23-5	Aroclor 1262			Not Detected	0.10		1.0	
11100-14-4	Aroclor 1268			Not Detected	0.10		1.0	
319-85-7	b-BHC			Not Detected	0.02	7	1.0	
319-86-8	d-BHC			Not Detected	0.02	7	1.0	
60-57-1	Dieldrin			Not Detected	0.02		1.0	
959-98-8	Endosulfan I			Not Detected	0.02		1.0	
33213-65-9	Endosulfan II			Not Detected	0.05		1.0	
1031-07-8	Endosulfan sulfate			Not Detected	0.05		1.0	
72-20-8	Endrin			Not Detected	0.02		1.0	
7421-93-4	Endrin aldehyde			Not Detected	0.05		1.0	
53494-70-5	Endrin ketone			Not Detected	0.05		1.0	
58-89-9	g-BHC			Not Detected	0.02	7	1.0	
5103-74-2	g-Chlordane			Not Detected	0.02		1.0	
76-44-8	Heptachlor			Not Detected	0.02		1.0	
1024-57-3	Heptachlor epoxide			Not Detected	0.02		1.0	
87-82-1	Hexabromobenzene			Not Detected	0.02		1.0	
72-43-5	Methoxychlor			Not Detected	0.05		1.0	
2385-85-5	Mirex			Not Detected	0.02		1.0	
59080-40-9	PBB (BP-6)			Not Detected	0.05		1.0	
8001-35-2	Toxaphene			Not Detected	0.10		1.0	

CAS# : Chemical Abstract Service Registry Number

RL : Reporting Limit

ND : Not Detected

ug / L : microgram / liter (ppb)

mg / L : milligram / liter (ppm)

ug / Kg : microgram / kilogram (ppb)

mg / Kg : milligram / kilogram (ppm)

Laboratory Contacts

Inorganic Unit Mgr: Sandy Gregg

Organic Unit Mgr: Carol Smith

Systems Mgmt Unit: George Krisztian



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Sample Number AA19008 MW #3 GROUNDWATER

CAS#	Analyte Name	Result	Unit	RL	Qualifier	Date Tested	Method	Analyst
	Digestion-Metals Water	Completed				10/01/2003	3015/200	TK
	Digestion Mercury Water	Completed				10/08/2003	7470/245.1	RS
7439-97-6	Mercury - Total	ND	µg/L	0.2		10/09/2003	7470/245.1	TS
7429-90-5	Aluminum - Total	120	µg/L	50		10/08/2003	6020/200.8	KS
7440-38-2	Arsenic - Total	ND	µg/L	1		10/03/2003	6020/200.8	KS
7440-39-3	Barium - Total	100	µg/L	5		10/03/2003	6020/200.8	KS
7440-43-9	Cadmium - Total	0.42	µg/L	0.2		10/03/2003	6020/200.8	KS
7440-47-3	Chromium - Total	ND	µg/L	1		10/07/2003	6020/200.8	KS
7440-50-8	Copper - Total	1.7	µg/L	1		10/03/2003	6020/200.8	KS
7439-92-1	Lead - Total	1.8	µg/L	1		10/03/2003	6020/200.8	KS
7439-96-5	Manganese - Total	10	µg/L	5		10/07/2003	6020/200.8	KS
7782-49-2	Selenium - Total	ND	µg/L	1		10/03/2003	6020/200.8	KS
7440-22-4	Silver - Total	ND	µg/L	0.5		10/03/2003	6020/200.8	KS
7440-66-6	Zinc - Total	1800	µg/L	10	D	10/07/2003	6020/200.8	KS
7439-89-6	Iron - Total	270	µg/L	20		10/08/2003	6010/200.7	WN

CAS# : Chemical Abstract Service Registry Number

RL : Reporting Limit

ND : Not Detected

ug / L : microgram / liter (ppb)

mg / L : milligram / liter (ppm)

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Sample Number: AA19009 MW #4 GROUNDWATER

Pesticides and PCBs

Analytical Method:	8081,8082	Date Tested:	10/03/2003	Analyst:	JB	Qualifier:	Volume:	975
Extraction Method:	3510	Extraction Date:	09/30/2003	Qualifer:		Qualifer:	Dilution Factor	
CAS #	Compound	Result ug/L	RL					
SURROGATE	#Decachlorobiphenyl#	84.1						
SURROGATE	#Tetrachloro-m-xylene#	39.1						
72-54-8	4,4'-DDD	Not Detected	0.02					1.0
72-55-9	4,4'-DDE	Not Detected	0.02					1.0
50-29-3	4,4'-DDT	Not Detected	0.02					1.0
319-84-6	a-BHC	Not Detected	0.02					1.0
5103-71-9	a-Chlordane	Not Detected	0.02					1.0
309-00-2	Aldrin	Not Detected	0.02					1.0
12674-11-2	Aroclor 1016	Not Detected	0.10					1.0
11104-28-2	Aroclor 1221	Not Detected	0.10					1.0
11141-16-5	Aroclor 1232	Not Detected	0.10					1.0
53469-21-9	Aroclor 1242	Not Detected	0.10					1.0
12672-29-6	Aroclor 1248	Not Detected	0.10					1.0
11097-69-1	Aroclor 1254	Not Detected	0.10					1.0
11096-82-5	Aroclor 1260	Not Detected	0.10					1.0
37324-23-5	Aroclor 1262	Not Detected	0.10					1.0
11100-14-4	Aroclor 1268	Not Detected	0.10					1.0
319-85-7	b-BHC	Not Detected	0.02					1.0
319-86-8	d-BHC	Not Detected	0.02					1.0
60-57-1	Dieldrin	0.022	0.02					1.0
959-98-8	Endosulfan I	Not Detected	0.02					1.0
33213-65-9	Endosulfan II	Not Detected	0.05					1.0
1031-07-8	Endosulfan sulfate	Not Detected	0.05					1.0
72-20-8	Endrin	Not Detected	0.02					1.0
7421-93-4	Endrin aldehyde	Not Detected	0.05					1.0
53494-70-5	Endrin-ketone	Not Detected	0.05					1.0
58-89-9	g-BHC	Not Detected	0.02					1.0
5103-74-2	g-Chlordane	Not Detected	0.02					1.0
76-44-8	Heptachlor	Not Detected	0.02					1.0
1024-57-3	Heptachlor epoxide	Not Detected	0.02					1.0
87-82-1	Hexabromobenzene	Not Detected	0.02					1.0
72-43-5	Methoxychlor	Not Detected	0.05					1.0
2385-85-5	Mirex	Not Detected	0.02					1.0
59080-40-9	PBB (BP-6)	Not Detected	0.05					1.0
8001-35-2	Toxaphene	Not Detected	0.10					1.0

CAS# : Chemical Abstract Service Registry Number

RL : Reporting Limit

ND : Not Detected

ug/L : microgram / liter (ppb)

mg/L : milligram / liter (ppm)

ug/Kg : microgram / kilogram (ppb)

mg/Kg : milligram / kilogram (ppm)

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Organic Unit Mgr: Carol Smith

Systems Mgmt Unit: George Krisztian



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Sample Number		MW #4 GROUNDWATER						
CAS#	Analyte Name	Result	Unit	RL	Qualifier	Date Tested	Method	Analyst
	Digestion Metals Water	Completed				10/01/2003	3015/200	TK
	Digestion Mercury Water	Completed				10/08/2003	7470/245.1	RS
7439-97-6	Mercury - Total	ND	µg/L	0.2		10/09/2003	7470/245.1	TS
7429-90-5	Aluminium - Total	ND	µg/L	50		10/08/2003	6020/200.8	KS
7440-38-2	Arsenic - Total	ND	µg/L	1		10/03/2003	6020/200.8	KS
7440-39-3	Barium - Total	46	µg/L	5		10/03/2003	6020/200.8	KS
7440-43-9	Cadmium - Total	0.40	µg/L	0.2		10/03/2003	6020/200.8	KS
7440-47-3	Chromium - Total	ND	µg/L	1		10/03/2003	6020/200.8	KS
7440-50-8	Copper - Total	1.1	µg/L	1		10/03/2003	6020/200.8	KS
7439-92-1	Lead - Total	4.2	µg/L	1		10/03/2003	6020/200.8	KS
7439-96-5	Manganese - Total	24	µg/L	5		10/07/2003	6020/200.8	KS
7782-49-2	Selenium - Total	ND	µg/L	1		10/03/2003	6020/200.8	KS
7440-22-4	Silver -Total	ND	µg/L	0.5		10/03/2003	6020/200.8	KS
7440-66-6	Zinc - Total	520	µg/L	10		10/03/2003	6020/200.8	KS
7439-89-6	Iron - Total	600	µg/L	20		10/08/2003	6010/200.7	WN

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Sample Number: AA19010 MW #1 GROUNDWATER

Pesticides and PCBs

Analytical Method:	8081.8082	Date Tested:	10/03/2003	Analyst:	JB	Volume:	965
Extraction Method:	3510	Extraction Date:	09/30/2003	Qualifier:		Qualifier	Dilution Factor
CAS #	Compound		Result ug/L	RL			
SURROGATE	#Decachlorobiphenyl#		87.2				
SURROGATE	#Tetrachloro-m-xylene#		47.0				
72-54-8	4,4'-DDD		Not Detected	0.02			1.0
72-55-9	4,4'-DDE		Not Detected	0.02			1.0
50-29-3	4,4'-DDT		Not Detected	0.02			1.0
319-84-6	a-BHC		Not Detected	0.02			1.0
5103-71-9	a-Chlordane		Not Detected	0.02			1.0
309-00-2	Aldrin		Not Detected	0.02			1.0
12674-11-2	Aroclor 1016		Not Detected	0.10			1.0
11104-28-2	Aroclor 1221		Not Detected	0.10			1.0
11141-16-5	Aroclor 1232		Not Detected	0.10			1.0
53469-21-9	Aroclor 1242		Not Detected	0.10			1.0
12672-29-6	Aroclor 1248		Not Detected	0.10			1.0
11097-69-1	Aroclor 1254		Not Detected	0.10			1.0
11096-82-5	Aroclor 1260		Not Detected	0.10			1.0
37324-23-5	Aroclor 1262		Not Detected	0.10			1.0
11100-14-4	Aroclor 1268		Not Detected	0.10			1.0
319-85-7	b-BHC		Not Detected	0.02			1.0
319-86-8	d-BHC		Not Detected	0.02			1.0
60-57-1	Dieldrin		Not Detected	0.02			1.0
959-98-8	Endosulfan I		Not Detected	0.02			1.0
33213-65-9	Endosulfan II		Not Detected	0.05			1.0
1031-07-8	Endosulfan sulfate		Not Detected	0.05			1.0
72-20-8	Endrin		Not Detected	0.02			1.0
7421-93-4	Endrin aldehyde		Not Detected	0.05			1.0
53494-70-5	Endrin ketone		Not Detected	0.05			1.0
58-89-9	g-BHC		Not Detected	0.02			1.0
5103-74-2	g-Chlordane		Not Detected	0.02			1.0
76-44-8	Heptachlor		Not Detected	0.02			1.0
1024-57-3	Heptachlor epoxide		Not Detected	0.02			1.0
87-82-1	Hexabromobenzene		Not Detected	0.02			1.0
72-43-5	Methoxychlor		Not Detected	0.05			1.0
2385-85-5	Mirex		Not Detected	0.02			1.0
59080-40-9	PBB (BP-6)		Not Detected	0.05			1.0
8001-35-2	Toxaphene		Not Detected	0.10			1.0

CAS# : Chemical Abstract Service Registry Number
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Sample Number		MW #1 GROUNDWATER						
CAS#	Analyte Name	Result	Unit	RL	Qualifier	Date Tested	Method	Analyst
	Digestion Metals Water	Completed				10/01/2003	3015/200	TK
	Digestion Mercury Water	cio				10/08/2003	7470/245.1	RS
7439-97-6	Mercury - Total	ND	µg/L	0.2		10/09/2003	7470/245.1	TS
7429-90-5	Aluminum - Total	ND	µg/L	50		10/08/2003	6020/200.8	KS
7440-38-2	Arsenic - Total	ND	µg/L	1		10/03/2003	6020/200.8	KS
7440-39-3	Barium - Total	34	µg/L	5		10/03/2003	6020/200.8	KS
7440-43-9	Cadmium - Total	ND	µg/L	0.2		10/03/2003	6020/200.8	KS
7440-47-3	Chromium - Total	ND	µg/L	1		10/03/2003	6020/200.8	KS
7440-50-8	Copper - Total	1.2	µg/L	1		10/03/2003	6020/200.8	KS
7439-92-1	Lead - Total	ND	µg/L	1		10/03/2003	6020/200.8	KS
7439-96-5	Manganese - Total	ND	µg/L	5		10/07/2003	6020/200.8	KS
7782-49-2	Selenium - Total	ND	µg/L	1		10/03/2003	6020/200.8	KS
7440-22-4	Silver - Total	ND	µg/L	0.5		10/03/2003	6020/200.8	KS
7440-66-6	Zinc - Total	300	µg/L	10		10/03/2003	6020/200.8	KS
7439-89-6	Iron - Total	ND	µg/L	20		10/08/2003	6010/200.7	WN

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Sample Number: AA19011 MW #8 GROUNDWATER

Pesticides and PCBs

CAS #	Compound	Date Tested:	10/03/2003	Analyst:	JB	Qualifer:	Volume:	925	Dilution Factor
		Extraction Date:	09/30/2003						
				Result	ug/L	RL	Qualifer		
SURROGATE	#Decachlorobiphenyl#			63.7					
SURROGATE	#Tetrachloro-m-xylene#			43.9					
72-54-8	4,4'-DDD			Not Detected	0.02			1.0	
72-55-9	4,4'-DDE			Not Detected	0.02			1.0	
50-29-3	4,4'-DDT			Not Detected	0.02			1.0	
319-84-6	a-BHC			Not Detected	0.02			1.0	
5103-71-9	a-Chlordane			Not Detected	0.02			1.0	
309-00-2	Aldrin			Not Detected	0.02			1.0	
12674-11-2	Aroclor 1016			Not Detected	0.11			1.0	
11104-28-2	Aroclor 1221			Not Detected	0.11			1.0	
11141-16-5	Aroclor 1232			Not Detected	0.11			1.0	
53469-21-9	Aroclor 1242			Not Detected	0.11			1.0	
12672-29-6	Aroclor 1248			Not Detected	0.11			1.0	
11097-69-1	Aroclor 1254			Not Detected	0.11			1.0	
11096-82-5	Aroclor 1260			Not Detected	0.11			1.0	
37324-23-5	Aroclor 1262			Not Detected	0.11			1.0	
11100-14-4	Aroclor 1268			Not Detected	0.11			1.0	
319-85-7	b-BHC			Not Detected	0.02			1.0	
319-86-8	d-BHC			Not Detected	0.02			1.0	
60-57-1	Dieldrin			Not Detected	0.02			1.0	
959-98-8	Endosulfan I			Not Detected	0.02			1.0	
33213-65-9	Endosulfan II			Not Detected	0.05			1.0	
1031-07-8	Endosulfan sulfate			Not Detected	0.05			1.0	
72-20-8	Endrin			Not Detected	0.02			1.0	
7421-93-4	Endrin aldehyde			Not Detected	0.05			1.0	
53494-70-5	Endrin ketone			Not Detected	0.05			1.0	
58-89-9	g-BHC			Not Detected	0.02			1.0	
5103-74-2	g-Chlordane			Not Detected	0.02			1.0	
76-44-8	Heptachlor			Not Detected	0.02			1.0	
1024-57-3	Heptachlor epoxide			Not Detected	0.02			1.0	
87-82-1	Hexabromobenzene			Not Detected	0.02			1.0	
72-43-5	Methoxychlor			Not Detected	0.05			1.0	
2385-85-5	Mirex			Not Detected	0.02			1.0	
59080-40-9	PBB (BP-6)			Not Detected	0.05			1.0	
8001-35-2	Toxaphene			Not Detected	0.11			1.0	

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Sample Number AA19011 MW #8 GROUNDWATER

CAS#	Analyte Name	Result	Unit	RL	Qualifier	Date Tested	Method	Analyst
	Digestion Metals Water	Completed				10/01/2003	3015/200	TK
	Digestion Mercury Water	Completed				10/08/2003	7470/245.1	RS
7439-97-6	Mercury - Total	ND	µg/L	0.2		10/09/2003	7470/245.1	TS
7429-90-5	Aluminum - Total	190	µg/L	50		10/08/2003	6020/200.8	KS
7440-38-2	Arsenic - Total	99	µg/L	1		10/03/2003	6020/200.8	KS
7440-39-3	Barium - Total	84	µg/L	5		10/03/2003	6020/200.8	KS
7440-43-9	Cadmium - Total	160	µg/L	0.2		10/03/2003	6020/200.8	KS
7440-47-3	Chromium - Total	3.5	µg/L	1		10/03/2003	6020/200.8	KS
7440-50-8	Copper - Total	17	µg/L	1		10/03/2003	6020/200.8	KS
7439-92-1	Lead - Total	1200	µg/L	1	D	10/07/2003	6020/200.8	KS
7439-96-5	Manganese - Total	180	µg/L	5		10/07/2003	6020/200.8	KS
7782-49-2	Selenium - Total	ND	µg/L	1		10/07/2003	6020/200.8	KS
7440-22-4	Silver - Total	ND	µg/L	0.5		10/03/2003	6020/200.8	KS
7440-66-6	Zinc - Total	84000	µg/L	10	D	10/07/2003	6020/200.8	KS
7439-89-6	Iron - Total	13000	µg/L	20		10/08/2003	6010/200.7	WN

CAS# : Chemical Abstract Service Registry Number

RL : Reporting Limit

ND : Not Detected

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Organic Unit Mgr: Carol Smith

Systems Mgmt Unit: George Krisztian



MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
ENVIRONMENTAL LABORATORY

P.O. Box 30270
Lansing, MI 48909
TEL: (517) 335-9800
FAX: (517) 335-9600

Sample Number: AA19012 MW #17 GROUNDWATER

Pesticides and PCBs

Analytical Method:	8081,8082	Date Tested:	10/03/2003	Analyst:	JB	Qualifier:	Volume:	Dilution Factor
Extraction Method:	3510	Extraction Date:	09/30/2003	RL	Qualifier			
CAS #	Compound	Result ug/L						
SURROGATE	#Decachlorobiphenyl#	48.2						
SURROGATE	#Tetrachloro-m-xylene#	56.4						
72-54-8	4,4'-DDD	Not Detected	0.02				1.0	
72-55-9	4,4'-DDE	Not Detected	0.02				1.0	
50-29-3	4,4'-DDT	Not Detected	0.02				1.0	
319-84-6	a-BHC	Not Detected	0.02				1.0	
5103-71-9	a-Chlordane	Not Detected	0.02				1.0	
309-00-2	Aldrin	Not Detected	0.02				1.0	
12674-11-2	Aroclor 1016	Not Detected	0.11				1.0	
11104-28-2	Aroclor 1221	Not Detected	0.11				1.0	
11141-16-5	Aroclor 1232	Not Detected	0.11				1.0	
53469-21-9	Aroclor 1242	Not Detected	0.11				1.0	
12672-29-6	Aroclor 1248	Not Detected	0.11				1.0	
11097-69-1	Aroclor 1254	Not Detected	0.11				1.0	
11096-82-5	Aroclor 1260	Not Detected	0.11				1.0	
37324-23-5	Aroclor 1262	Not Detected	0.11				1.0	
11100-14-4	Aroclor 1268	Not Detected	0.11				1.0	
319-85-7	b-BHC	Not Detected	0.02				1.0	
319-86-8	d-BHC	Not Detected	0.02				1.0	
60-57-1	Dieldrin	Not Detected	0.02				1.0	
959-98-8	Endosulfan I	Not Detected	0.02				1.0	
33213-65-9	Endosulfan II	Not Detected	0.05				1.0	
1031-07-8	Endosulfan sulfate	Not Detected	0.05				1.0	
72-20-8	Endrin	Not Detected	0.02				1.0	
7421-93-4	Endrin aldehyde	Not Detected	0.05				1.0	
53494-70-5	Endrin ketone	Not Detected	0.05				1.0	
58-89-9	g-BHC	Not Detected	0.02				1.0	
5103-74-2	g-Chlordane	Not Detected	0.02				1.0	
76-44-8	Heptachlor	Not Detected	0.02				1.0	
1024-57-3	Heptachlor epoxide	Not Detected	0.02				1.0	
87-82-1	Hexabromobenzene	Not Detected	0.02				1.0	
72-43-5	Methoxychlor	Not Detected	0.05				1.0	
2385-85-5	Mirex	Not Detected	0.02				1.0	
59080-40-9	PBB (BP-6)	Not Detected	0.05				1.0	
8001-35-2	Toxaphene	Not Detected	0.11				1.0	

CAS# : Chemical Abstract Service Registry Number
RL : Reporting Limit
ND : Not Detected

ug / L : microgram / liter (ppb)
mg / L : milligram / liter (ppm)
ug / Kg : microgram / kilogram (ppb)
mg / Kg : milligram / kilogram (ppm)

Laboratory Contacts
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Sample Number AA19012 MW #17 GROUNDWATER

CAS#	Analyte Name	Result	Unit	RL	Qualifier	Date Tested	Method	Analyst
	Digestion Metals Water	Completed				10/01/2003	3015/200	TK
	Digestion Mercury Water	Completed				10/08/2003	7470/245.1	RS
7439-97-6	Mercury - Total	ND	µg/L	0.2		10/09/2003	7470/245.1	TS
7429-90-5	Aluminium - Total	65	µg/L	50		10/08/2003	6020/200.8	KS
7440-38-2	Arsenic - Total	4.8	µg/L	1		10/03/2003	6020/200.8	KS
7440-39-3	Barium - Total	10	µg/L	5		10/03/2003	6020/200.8	KS
7440-43-9	Cadmium - Total	0.64	µg/L	0.2		10/03/2003	6020/200.8	KS
7440-47-3	Chromium - Total	30	µg/L	1		10/03/2003	6020/200.8	KS
7440-50-8	Copper - Total	13	µg/L	1		10/03/2003	6020/200.8	KS
7439-92-1	Lead - Total	8.8	µg/L	1		10/03/2003	6020/200.8	KS
7439-96-5	Manganese - Total	15	µg/L	5		10/07/2003	6020/200.8	KS
7782-49-2	Selenium - Total	ND	µg/L	1		10/08/2003	6020/200.8	KS
7440-22-4	Silver - Total	ND	µg/L	0.5		10/03/2003	6020/200.8	KS
7440-66-6	Zinc - Total	130000	µg/L	10	D	10/07/2003	6020/200.8	KS
7439-89-6	Iron - Total	730	µg/L	20		10/08/2003	6010/200.7	WN

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TEL: (517) 335-9800
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Sample Number: AA19013 MW #4 DUPLICATE

Pesticides and PCBs

Analytical Method:	8081,8082	Date Tested:	10/03/2003	Analyst:	JB	Volume:	975
Extraction Method:	3510	Extraction Date:	09/30/2003	Qualifier:		Qualifier	Dilution Factor
CAS #	Compound		Result ug/L	RL			
SURROGATE	#Decachlorobiphenyl#		83.7				
SURROGATE	#Tetrachloro-m-xylene#		32.4				
72-54-8	4,4'-DDD		Not Detected	0.02			1.0
72-55-9	4,4'-DDE		Not Detected	0.02			1.0
50-29-3	4,4'-DDT		Not Detected	0.02			1.0
319-84-6	a-BHC		Not Detected	0.02			1.0
5103-71-9	a-Chlordane		Not Detected	0.02			1.0
309-00-2	Aldrin		Not Detected	0.02			1.0
12674-11-2	Aroclor 1016		Not Detected	0.10			1.0
11104-28-2	Aroclor 1221		Not Detected	0.10			1.0
11141-16-5	Aroclor 1232		Not Detected	0.10			1.0
53469-21-9	Aroclor 1242		Not Detected	0.10			1.0
12672-29-6	Aroclor 1248		Not Detected	0.10			1.0
11097-69-1	Aroclor 1254		Not Detected	0.10			1.0
11096-82-5	Aroclor 1260		Not Detected	0.10			1.0
37324-23-5	Aroclor 1262		Not Detected	0.10			1.0
11100-14-4	Aroclor 1268		Not Detected	0.10			1.0
319-85-7	b-BHC		Not Detected	0.02			1.0
319-86-8	d-BHC		Not Detected	0.02			1.0
60-57-1	Dieldrin		0.02	0.02			1.0
959-98-8	Endosulfan I		Not Detected	0.02			1.0
33243-65-9	Endosulfan II		Not Detected	0.05			1.0
1031-07-8	Endosulfan sulfate		Not Detected	0.05			1.0
72-20-8	Endrin		Not Detected	0.02			1.0
7421-93-4	Endrin aldehyde		Not Detected	0.05			1.0
53494-70-5	Endrin ketone		Not Detected	0.05			1.0
58-89-9	g-BHC		Not Detected	0.02			1.0
5103-74-2	g-Chlordane		Not Detected	0.02			1.0
76-44-8	Heptachlor		Not Detected	0.02			1.0
1024-57-3	Heptachlor epoxide		Not Detected	0.02			1.0
87-82-1	Hexabromobenzene		Not Detected	0.02			1.0
72-43-5	Methoxychlor		Not Detected	0.05			1.0
2385-85-5	Mirex		Not Detected	0.02			1.0
59080-40-9	PBB (BP-6)		Not Detected	0.05			1.0
8001-35-2	Toxaphene		Not Detected	0.10			1.0

CAS# : Chemical Abstract Service Registry Number
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Sample Number AA19013 MW #4 DUPLICATE

CAS#	Analyte Name	Result	Unit	RL	Qualifier	Date Tested	Method	Analyst
	Digestion Metals Water	Completed				10/01/2003	3015/200	TK
	Digestion Mercury Water	Completed				10/08/2003	7470/245.1	RS
7439-97-6	Mercury - Total	ND	µg/L	0.2		10/09/2003	7470/245.1	TS
7429-90-5	Aluminium - Total	ND	µg/L	50		10/08/2003	6020/200.8	KS
7440-38-2	Arsenic - Total	ND	µg/L	1		10/05/2003	6020/200.8	KS
7440-39-3	Barium - Total	45	µg/L	5		10/03/2003	6020/200.8	KS
7440-43-9	Cadmium - Total	0.34	µg/L	0.2		10/03/2003	6020/200.8	KS
7440-47-3	Chromium - Total	ND	µg/L	1		10/03/2003	6020/200.8	KS
7440-50-8	Copper - Total	1.1	µg/L	1		10/03/2003	6020/200.8	KS
7439-92-1	Lead - Total	3.9	µg/L	1		10/03/2003	6020/200.8	KS
7439-96-5	Manganese - Total	23	µg/L	5		10/07/2003	6020/200.8	KS
7782-49-2	Selenium - Total	ND	µg/L	1		10/03/2003	6020/200.8	KS
7440-22-4	Silver - Total	ND	µg/L	0.5		10/03/2003	6020/200.8	KS
7440-66-6	Zinc - Total	500	µg/L	10		10/03/2003	6020/200.8	KS
7439-89-6	Iron - Total	550	µg/L	20		10/08/2003	6010/200.7	WN

CAS# : Chemical Abstract Service Registry Number

RL : Reporting Limit

ND : Not Detected

ug · L⁻¹ : microgram / liter (ppb)

mg · L⁻¹ : milligram / liter (ppm)

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<u>Qualifier Code</u>	<u>Qualifier Description</u>
A	Value reported is the mean of two or more determinations.
C	Value calculated from other independent parameters.
D	Analyte value quantified from a dilution(s); reporting limit (RL) raised.
E	Result is estimated due to high recovery of batch QC.
F	Free cyanide was not analyzed due to low level of total cyanide.
G	Result and RL are estimated due to initial calibration standard criteria failure.
H	Recommended laboratory holding time was exceeded.
I	Dilution required due to matrix interference; reporting limit (RL) raised.
J	Analyte was positively identified. Value is an estimate.
JA	Result is estimated due to multiple Aroclors present.
JC	Result is estimated since confirmation analysis did not meet acceptance criteria
JD	Due to severe degradation, specific Aroclor identification is difficult and quantitation is estimated.
K	RL(s) raised due to matrix interferences.
LB	Reported library search compounds are tentative identifications with estimated concentrations.
M	The level of the method preparation blank (MPB) is reported in the qualifier column.
N	Non-homogeneous sample made analysis of sample questionable.
O	Result and RL estimated due to analysis from an open vial.
P	Recommended sample collection/preservation technique not used; reported result(s) is an estimate.
Q	Quantity of sample insufficient to perform analyses requested.
R	Result confirmed by re-extraction and analysis.
S	Supernatant analyzed.
T	Reported value is less than the reporting limit (RL).
V	Value not available due to dilution.
W	Reported value is less than the method detection limit (MDL).
X	Methods 8260 & 624 are used to analyze volatile organics that have boiling points below 200°C. 2-Methylnaphthalene & naphthalene have boiling points above 200°C and are better suited to analysis by methods 8270 or 625 as semivolatile organics.
1	Result(s) and RL(s) are estimated due to low surrogate recovery.
2	Result is estimated due to high surrogate recovery.
3	Result(s) and RL(s) are estimated due to low matrix spike recovery.
4	Result is estimated due to high matrix spike recovery.
5	Result and RL are estimated due to low continuing calibration standard criteria failure.
6	Result is estimated due to high continuing calibration standard criteria failure.
7	Result(s) and RL(s) are estimated due to poor precision.
8	Result(s) and RL(s) are estimated due to low recovery of batch QC.
KR	RL(s) raised due to low sample volume submitted.
KS	RL(s) raised due to low total solids.
KW	RL(s) raised due to light sample weight.
9	Result outside QC acceptance criteria.

CAS# : Chemical Abstract Service Registry Number
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mg / L : milligram / liter (ppm)
ug / Kg : microgram / kilogram (ppb)
mg / Kg : milligram / kilogram (ppm)

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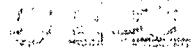
Site Code : PARSONS Site Name: Parsons Chemical

 Location: 3871 CLIFF ST 48837 Occupant: DUKES County: Eaton

<u>Test</u>	<u>CasNo</u>	<u>Analyte</u>	<u>Result</u>	<u>Detect</u>	<u>Units</u>	<u>Method</u>
<u>LC2003042909</u>		Collect Date: 08/25/2003 Arrival Date: 08/26/2003				
CXPT ++ All Analytes for this Test Code are Non Detect (ND) ++						
<u>LC2003042939</u>		Collect Date: 08/25/2003 Arrival Date: 08/26/2003				
CCON	COND-00-C	CONDUCTIVITY (MANUAL)	740	1	umhos	EPA120.1
CPH	PH-00-C	PH (HYDROGEN ION)	7.6	2.0		EPA150.1
CRA	16984-48-8	FLUORIDE (AUTOMATED)	0.2	0.1	mg/L	SM4500NO3H,SM3
CRA	7439-89-6	IRON (AUTOMATED)	0.2	0.1	mg/L	SM4500NO3H,SM3
CRA	HARD-00-C	HARDNESS AS CaCO ₃	437	10	mg/L	SM4500NO3H,SM3
CRA	7440-23-5	SODIUM (AUTOMATED)	13	5	mg/L	SM4500NO3H,SM3
CRA	7647-14-5	CHLORIDE (AUTOMATED)	30	4	mg/L	SM4500NO3H,SM3
CRA	14797-65-0	NITRITE AS N (AUTOMATED)	0.03	0.05	mg/L	SM4500NO3H,SM3
CRA	14797-55-8	NITRATE AS N (AUTOMATED)	0.4	0.4	mg/L	SM4500NO3H,SM3
CRA	14808-79-8	SULFATE (AUTOMATED)	47	5	mg/L	SM4500NO3H,SM3
<u>LC2003042959</u>		Collect Date: 08/23/2003 Arrival Date: 08/26/2003				
CAS ++ All Analytes for this Test Code are Non Detect (ND) ++						
CBA	7440-39-3	BARIUM	0.06	0.01	mg/L	EPA200.8
CBE	++ All Analytes for this Test Code are Non Detect (ND) ++					
CCD	++ All Analytes for this Test Code are Non Detect (ND) ++					
CCR	++ All Analytes for this Test Code are Non Detect (ND) ++					
CCU	7440-50-8	COPPER (RECOVERABLE)	0.09	0.05	mg/L	EPA200.8
CFE	7439-89-6	IRON	0.23	0.01	mg/L	EPA200.8
CHG	++ All Analytes for this Test Code are Non Detect (ND) ++					
CMN	7439-96-5	MANGANESE	0.07	0.01	mg/L	EPA200.8
CNI	7440-02-0	NICKEL	0.01	0.01	mg/L	EPA200.8
CPB	7439-92-1	LEAD (TOTAL)	0.003	0.001	mg/L	EPA200.8
CSB	++ All Analytes for this Test Code are Non Detect (ND) ++					
CSE	++ All Analytes for this Test Code are Non Detect (ND) ++					
CTL	++ All Analytes for this Test Code are Non Detect (ND) ++					
CU	7440-61-1	URANIUM (TOTAL)	0.0009	0.0003	mg/L	EPA200.8
CZN	7440-66-6	ZINC	0.02	0.01	mg/L	EPA200.8

Location: 3891 CLIFF ST 48837 Occupant: NEFF County: Eaton

<u>Test</u>	<u>CasNo</u>	<u>Analyte</u>	<u>Result</u>	<u>Detect</u>	<u>Units</u>	<u>Method</u>
<u>LC2003044857</u>		Collect Date: 09/03/2003 Arrival Date: 09/04/2003				
CCON COND-00-C CONDUCTIVITY (MANUAL) 740 1 umhos EPA120.1						
CCP	PH-00-C	PH (HYDROGEN ION)	7.6	2.0		EPA150.1
CRA	16984-48-8	FLUORIDE (AUTOMATED)	0.2	0.1	mg/L	SM4500NO3H,SM3
CRA	7439-89-6	IRON (AUTOMATED)	0.6	0.1	mg/L	SM4500NO3H,SM3
CRA	HARD-00-C	HARDNESS AS CaCO ₃	461	10	mg/L	SM4500NO3H,SM3
CRA	7440-23-5	SODIUM (AUTOMATED)	27	5	mg/L	SM4500NO3H,SM3
CRA	7647-14-5	CHLORIDE (AUTOMATED)	30	4	mg/L	SM4500NO3H,SM3
CRA	14797-65-0	NITRITE AS N (AUTOMATED)	0.01	0.05	mg/L	SM4500NO3H,SM3
CRA	14797-55-8	NITRATE AS N (AUTOMATED)	0.2	0.4	mg/L	SM4500NO3H,SM3
CRA	14808-79-8	SULFATE (AUTOMATED)	34	5	mg/L	SM4500NO3H,SM3



Department of Environmental Quality
Drinking Water and Radiological Protection Division
Ground Water Supply Section -
Contamination Investigation Unit

Selection criteria for this report'is as follows:
Site code= 'PARSONS'
*** Non Detect (ND) Results Are Suppressed ***.

Site Code : PARSONS Site Name: Parsons Chemical (cont.)

Location: 3891 CLIFF ST 48837 Occupant: NEFF County: Eaton (cont.)

<u>Test</u>	<u>CasNo</u>	<u>Analyte</u>	<u>Result</u>	<u>Detect</u>	<u>Units</u>	<u>Method</u>
LC2003044859		Collect Date: 09/03/2003 Arrival Date: 09/04/2003				
CAS		++ All Analytes for this Test Code are Non Detect (ND) ++				
CBA	7440-39-3	BARIUM	0.12	0.01	mg/L	EPA200.8
CBE		++ All Analytes for this Test Code are Non Detect (ND) ++				
CCD		++ All Analytes for this Test Code are Non Detect (ND) ++				
CCR		++ All Analytes for this Test Code are Non Detect (ND) ++				
CCU		++ All Analytes for this Test Code are Non Detect (ND) ++				
CFE	7439-89-6	IRON	0.55	0.01	mg/L	EPA200.8
CHG		++ All Analytes for this Test Code are Non Detect (ND) ++				
CMN		++ All Analytes for this Test Code are Non Detect (ND) ++				
CNI		++ All Analytes for this Test Code are Non Detect (ND) ++				
CPB		++ All Analytes for this Test Code are Non Detect (ND) ++				
CSB		++ All Analytes for this Test Code are Non Detect (ND) ++				
CSE	7782-49-2	SELENIUM (TOTAL)	0.001	0.001	mg/L	EPA200.8
CTL		++ All Analytes for this Test Code are Non Detect (ND) ++				
CU		++ All Analytes for this Test Code are Non Detect (ND) ++				
CZN		++ All Analytes for this Test Code are Non Detect (ND) ++				
LC2003044862		Collect Date: 09/03/2003 Arrival Date: 09/04/2003				
CXPT		++ All Analytes for this Test Code are Non Detect (ND) ++				

LC2003044862 Collect Date: 09/03/2003 Arrival Date: 09/04/2003

CXPT ++ All Analytes for this Test Code are Non Detect (ND) ++

Location: 3432 E GRAND LEDGE HWY **Occupant:** CHURCH OF THE NAZARENE **County:** Eaton

<u>Test</u>	<u>CasNo</u>	<u>Analyte</u>	<u>Result</u>	<u>Detect</u>	<u>Units</u>	<u>Method</u>
LC1996001912		Collect Date: 10/08/1995 Arrival Date: 10/10/1995				
g2 = Detect limits estimated based upon test date for all records.						
CRA	16984-48-8	FLUORIDE (AUTOMATED)	0.6	0.1	mg/L	
CRA	HARD-00-C	HARDNESS AS CaCO ₃	306	10	mg/L	
CRA	7440-23-5	SODIUM (AUTOMATED)	15	2	mg/L	
CRA	7647-14-5	CHLORIDE (AUTOMATED)	7	2	mg/L	
CRA	14797-65-0	NITRITE AS N (AUTOMATED)	0.05	0.02	mg/L	
CRA	14808-79-8	SULFATE (AUTOMATED)	15	2	mg/L	

LC1984J02300 Collect Date: 10/17/1984 Arrival Date: 10/18/1984

This record rebuilt from historical MDPH/LSB archive files. Detect limits estimated based upon test date for all records. Comment code 00 listed in the MDPH/LSB archive source table. WSSN missing from archive source table.

CXPI ++ All Analytes for this Test Code are Non Detect (ND) ++

Location: 3473 E GRAND LEDGE HWY Occupant: CAMPBELL County: Eaton

++ No Samples are Linked To This Sample Site ++

Location: 2 FITZGERALD PARK DR 48837 **Occupant:** CITY OF GRAND LEDGE **County:** Eaton

Site Code : PARSONS Site Name: Parsons Chemical (cont.)

 Location: 3400 FOURTH ST 48837 Occupant: LESATZ County: Eaton

<u>Test</u>	<u>CasNo</u>	<u>Analyte</u>	<u>Result</u>	<u>Detect</u>	<u>Units</u>	<u>Method</u>
<u>LC2003042929</u>		Collect Date: 08/25/2003 Arrival Date: 08/26/2003				
CXPT ++ All Analytes for this Test Code are Non Detect (ND) ++						
<u>LC2003042936</u>		Collect Date: 08/25/2003 Arrival Date: 08/26/2003				
CCON	COND-00-C	CONDUCTIVITY (MANUAL)	840	1	umhos	EPA120.1
CPH	PH-00-C	PH (HYDROGEN ION)	7.5	2.0		EPA150.1
CRA	16984-48-8	FLUORIDE (AUTOMATED)	0.2	0.1	mg/L	SM4500NO3H,SM3
CRA	7439-89-6	IRON (AUTOMATED)	1.4	0.1	mg/L	SM4500NO3H,SM3
CRA	HARD-00-C	HARDNESS AS CaCO ₃	440	10	mg/L	SM4500NO3H,SM3
CRA	7440-23-5	SODIUM (AUTOMATED)	34	5	mg/L	SM4500NO3H,SM3
CRA	7647-14-5	CHLORIDE (AUTOMATED)	90	4	mg/L	SM4500NO3H,SM3
CRA	14797-65-0	NITRITE AS N (AUTOMATED)	0.04	0.05	mg/L	SM4500NO3H,SM3
CRA	14797-55-8	NITRATE AS N (AUTOMATED)	0.3	0.4	mg/L	SM4500NO3H,SM3
CRA	14808-79-8	SULFATE (AUTOMATED)	38	5	mg/L	SM4500NO3H,SM3
<u>LC2003042960</u>		Collect Date: 08/25/2003 Arrival Date: 08/26/2003				
CAS	7440-38-2	ARSENIC (TOTAL)	0.001	0.002	mg/L	EPA200.8
CBA	7440-39-3	BARIUM	0.07	0.01	mg/L	EPA200.8
CBE	++ All Analytes for this Test Code are Non Detect (ND) ++					
CCD	++ All Analytes for this Test Code are Non Detect (ND) ++					
CCR	++ All Analytes for this Test Code are Non Detect (ND) ++					
CCU	++ All Analytes for this Test Code are Non Detect (ND) ++					
CFE	7439-89-6	IRON	1.45	0.01	mg/L	EPA200.8
CHG	++ All Analytes for this Test Code are Non Detect (ND) ++					
CMN	7439-96-5	MANGANESE	0.05	0.01	mg/L	EPA200.8
CNI	++ All Analytes for this Test Code are Non Detect (ND) ++					
CPB	++ All Analytes for this Test Code are Non Detect (ND) ++					
CSB	7440-36-0	ANTIMONY	0.0001	0.0006	mg/L	EPA200.8
CSE	++ All Analytes for this Test Code are Non Detect (ND) ++					
CTL	++ All Analytes for this Test Code are Non Detect (ND) ++					
CU	7440-61-1	URANIUM (TOTAL)	0.0006	0.0003	mg/L	EPA200.8
CZN	7440-66-6	ZINC	0.01	0.01	mg/L	EPA200.8

 Location: 12876 FRANKLIN ST 48837 Occupant: DUKES County: Eaton

<u>Test</u>	<u>CasNo</u>	<u>Analyte</u>	<u>Result</u>	<u>Detect</u>	<u>Units</u>	<u>Method</u>
<u>LC2003042908</u>		Collect Date: 08/25/2003 Arrival Date: 08/26/2003				
CXPT ++ All Analytes for this Test Code are Non Detect (ND) ++						
<u>LC2003042933</u>		Collect Date: 08/25/2003 Arrival Date: 08/26/2003				
CCON	COND-00-C	CONDUCTIVITY (MANUAL)	600	1	umhos	EPA120.1
CPH	PH-00-C	PH (HYDROGEN ION)	7.7	2.0		EPA150.1
CRA	16984-48-8	FLUORIDE (AUTOMATED)	0.3	0.1	mg/L	SM4500NO3H,SM3
CRA	7439-89-6	IRON (AUTOMATED)	0.5	0.1	mg/L	SM4500NO3H,SM3
CRA	HARD-00-C	HARDNESS AS CaCO ₃	329	10	mg/L	SM4500NO3H,SM3
CRA	7440-23-5	SODIUM (AUTOMATED)	23	5	mg/L	SM4500NO3H,SM3
CRA	7647-14-5	CHLORIDE (AUTOMATED)	12	4	mg/L	SM4500NO3H,SM3
CRA	14797-65-0	NITRITE AS N (AUTOMATED)	0.03	0.05	mg/L	SM4500NO3H,SM3

Site Code : PARSONS Site Name: Parsons Chemical (cont.)

Location: 12876 FRANKLIN ST 48837 Occupant: DUKES County: Eaton (cont.)

<u>Test</u>	<u>CasNo</u>	<u>Analyte</u>	<u>Result</u>	<u>Detect</u>	<u>Units</u>	<u>Method</u>
<u>LC2003042933 Collect Date: 08/25/2003 Arrival Date: 08/26/2003 (cont.)</u>						
CRA	14797-55-8	NITRATE AS N (AUTOMATED)	0.2	0.4	mg/L	SM4500NO3H,SM3
CRA	14808-79-8	SULFATE (AUTOMATED)	18	5	mg/L	SM4500NO3H,SM3
<u>LC2003042955 Collect Date: 08/25/2003 Arrival Date: 08/26/2003</u>						
CAS	++ All Analytes for this Test Code are Non Detect (ND) ++					
CBA	7440-39-3	BARIUM	0.12	0.01	mg/L	EPA200.8
CBE	++ All Analytes for this Test Code are Non Detect (ND) ++					
CCD	7440-43-9	CADMIUM (TOTAL)	0.0001	0.0003	mg/L	EPA200.8
CCR	++ All Analytes for this Test Code are Non Detect (ND) ++					
CCU	++ All Analytes for this Test Code are Non Detect (ND) ++					
CFE	7439-89-6	IRON	0.55	0.01	mg/L	EPA200.8
CHG	++ All Analytes for this Test Code are Non Detect (ND) ++					
CMN	++ All Analytes for this Test Code are Non Detect (ND) ++					
CNI	++ All Analytes for this Test Code are Non Detect (ND) ++					
CPB	++ All Analytes for this Test Code are Non Detect (ND) ++					
CSB	++ All Analytes for this Test Code are Non Detect (ND) ++					
CSE	++ All Analytes for this Test Code are Non Detect (ND) ++					
CTL	++ All Analytes for this Test Code are Non Detect (ND) ++					
CU	++ All Analytes for this Test Code are Non Detect (ND) ++					
CZN	7440-66-6	ZINC	0.01	0.01	mg/L	EPA200.8

Location: 12915 FRANKLIN ST 48837 Occupant: MONTAGUE County: Eaton

<u>Test</u>	<u>CasNo</u>	<u>Analyte</u>	<u>Result</u>	<u>Detect</u>	<u>Units</u>	<u>Method</u>
<u>LC2003042910 Collect Date: 08/25/2003 Arrival Date: 08/26/2003</u>						
CXPT	++ All Analytes for this Test Code are Non Detect (ND) ++					
<u>LC2003042950 Collect Date: 08/25/2003 Arrival Date: 08/26/2003</u>						
CCON	COND-00-C	CONDUCTIVITY (MANUAL)	700	1	umhos	EPA120.1
CPH	PH-00-C	PH (HYDROGEN ION)	7.4	2.0		EPA150.1
CRA	16984-48-8	FLUORIDE (AUTOMATED)	0.2	0.1	mg/L	SM4500NO3H,SM3
CRA	7439-89-6	IRON (AUTOMATED)	0.5	0.1	mg/L	SM4500NO3H,SM3
CRA	HARD-00-C	HARDNESS AS CaCO3	358	10	mg/L	SM4500NO3H,SM3
CRA	7440-23-5	SODIUM (AUTOMATED)	35	5	mg/L	SM4500NO3H,SM3
CRA	7647-14-5	CHLORIDE (AUTOMATED)	40	4	mg/L	SM4500NO3H,SM3
CRA	14797-65-0	NITRITE AS N (AUTOMATED)	0.03	0.05	mg/L	SM4500NO3H,SM3
CRA	14797-55-8	NITRATE AS N (AUTOMATED)	0.3	0.4	mg/L	SM4500NO3H,SM3
CRA	14808-79-8	SULFATE (AUTOMATED)	30	5	mg/L	SM4500NO3H,SM3
<u>LC2003042956 Collect Date: 08/25/2003 Arrival Date: 08/26/2003</u>						
CAS	++ All Analytes for this Test Code are Non Detect (ND) ++					
CBA	7440-39-3	BARIUM	0.09	0.01	mg/L	EPA200.8
CBE	++ All Analytes for this Test Code are Non Detect (ND) ++					
CCD	7440-43-9	CADMIUM (TOTAL)	0.0001	0.0003	mg/L	EPA200.8
CCR	++ All Analytes for this Test Code are Non Detect (ND) ++					
CCU	7440-50-8	COPPER (RECOVERABLE)	0.01	0.05	mg/L	EPA200.8
CFE	7439-89-6	IRON	0.48	0.01	mg/L	EPA200.8

Department of Environmental Quality
Drinking Water and Radiological Protection Division
Ground Water Supply Section -
Contamination Investigation Unit

Selection criteria for this report is as follows:
Site codes 'PARSONS'
 Non-Detect (ND) Results Are Suppressed ...

Site Code : PARSONS **Site Name:** Parsons Chemical (cont.)

Location: 12915 FRANKLIN ST 48837 **Occupant:** MONTAGUE **County:** Eaton (cont.)

<u>Test</u>	<u>CasNo</u>	<u>Analyte</u>	<u>Result</u>	<u>Detect</u>	<u>Units</u>	<u>Method</u>
<u>LC2003042956</u>		Collect Date: 08/25/2003 Arrival Date: 08/26/2003 (cont.)				
CHG		++ All Analytes for this Test Code are Non Detect (ND) ++				
CMN	7439-96-5	MANGANESE	0.16	0.01	mg/L	EPA200.8
CNI	7440-02-0	NICKEL	0.01	0.01	mg/L	EPA200.8
CPB	7439-92-1	LEAD (TOTAL)	0.001	0.001	mg/L	EPA200.8
CSB		++ All Analytes for this Test Code are Non Detect (ND) ++				
CSE		++ All Analytes for this Test Code are Non Detect (ND) ++				
CTL		++ All Analytes for this Test Code are Non Detect (ND) ++				
CU	7440-61-1	URANIUM (TOTAL)	0.0008	0.0003	mg/L	EPA200.8
CZN	7440-66-6	ZINC	0.01	0.01	mg/L	EPA200.8
<u>LC2003042963</u>		Collect Date: 08/25/2003 Arrival Date: 08/26/2003				
CAS		++ All Analytes for this Test Code are Non Detect (ND) ++				
CBA	7440-39-3	BARIUM	0.10	0.01	mg/L	EPA200.8
CBE		++ All Analytes for this Test Code are Non Detect (ND) ++				
CCD		++ All Analytes for this Test Code are Non Detect (ND) ++				
CCR		++ All Analytes for this Test Code are Non Detect (ND) ++				
CCU	7440-50-8	COPPER (RECOVERABLE)	0.01	0.05	mg/L	EPA200.8
CFE	7439-89-6	IRON	0.71	0.01	mg/L	EPA200.8
CHG		++ All Analytes for this Test Code are Non Detect (ND) ++				
CMN	7439-96-5	MANGANESE	0.29	0.01	mg/L	EPA200.8
CNI	7440-02-0	NICKEL	0.01	0.01	mg/L	EPA200.8
CPB		++ All Analytes for this Test Code are Non Detect (ND) ++				
CSB		++ All Analytes for this Test Code are Non Detect (ND) ++				
CSE		++ All Analytes for this Test Code are Non Detect (ND) ++				
CTL		++ All Analytes for this Test Code are Non Detect (ND) ++				
CU	7440-61-1	URANIUM (TOTAL)	0.0003	0.0003	mg/L	EPA200.8
CZN	7440-66-6	ZINC	0.02	0.01	mg/L	EPA200.8

Location: 12920 FRANKLIN ST 48837 **Occupant:** PORTER **County:** Eaton

<u>Test</u>	<u>CasNo</u>	<u>Analyte</u>	<u>Result</u>	<u>Detect</u>	<u>Units</u>	<u>Method</u>
LC2003042916		Collect Date: 08/25/2003 Arrival Date: 08/26/2003				
CXPT ++ All Analytes for this Test Code are Non Detect (ND) ++						
LC2003042942		Collect Date: 08/25/2003 Arrival Date: 08/26/2003				
CCON	COND-00-C	CONDUCTIVITY (MANUAL)	820	1	umhos	EPA120.1
CPH	PH-00-C	PH (HYDROGEN ION)	7.4	2.0		EPA150.1
CRA	16984-48-8	FLUORIDE (AUTOMATED)	0.1	0.1	mg/L	SM4500NO3H,SM3
CRA	7439-89-6	IRON (AUTOMATED)	0.7	0.1	mg/L	SM4500NO3H,SM3
CRA	HARD-00-C	HARDNESS AS CaCO ₃	451	10	mg/L	SM4500NO3H,SM3
CRA	7440-23-5	SODIUM (AUTOMATED)	34	5	mg/L	SM4500NO3H,SM3
CRA	7647-14-5	CHLORIDE (AUTOMATED)	56	4	mg/L	SM4500NO3H,SM3
CRA	14797-65-0	NITRITE AS N (AUTOMATED)	0.03	0.05	mg/L	SM4500NO3H,SM3
CRA	14797-55-8	NITRATE AS N (AUTOMATED)	0.3	0.4	mg/L	SM4500NO3H,SM3
CRA	14808-79-8	SULFATE (AUTOMATED)	54	5	mg/L	SM4500NO3H,SM3

Site Code : PARSONS Site Name: Parsons Chemical (cont.)

Location: 12920 FRANKLIN ST 48837 Occupant: PORTER County: Eaton (cont.)

Test	CasNo	Analyte	Result	Detect	Units	Method
<u>LC2003042957 Collect Date: 08/25/2003 Arrival Date: 08/26/2003 (cont.)</u>						
CAS		++ All Analytes for this Test Code are Non Detect (ND) ++				
CBA	7440-39-3	BARIUM	0.05	0.01	mg/L	EPA200.8
CBE		++ All Analytes for this Test Code are Non Detect (ND) ++				
CCD	7440-43-9	CADMIUM (TOTAL)	0.0001	0.0003	mg/L	EPA200.8
CCR		++ All Analytes for this Test Code are Non Detect (ND) ++				
CCU	7440-50-8	COPPER (RECOVERABLE)	0.07	0.05	mg/L	EPA200.8
CFE	7439-89-6	IRON	0.41	0.01	mg/L	EPA200.8
CHG		++ All Analytes for this Test Code are Non Detect (ND) ++				
CMN	7439-96-5	MANGANESE	0.02	0.01	mg/L	EPA200.8
CNI	7440-02-0	NICKEL	0.01	0.01	mg/L	EPA200.8
CPB	7439-92-1	LEAD (TOTAL)	0.006	0.001	mg/L	EPA200.8
CSB		++ All Analytes for this Test Code are Non Detect (ND) ++				
CSE	7782-49-2	SELENIUM (TOTAL)	0.001	0.001	mg/L	EPA200.8
CTL		++ All Analytes for this Test Code are Non Detect (ND) ++				
CU	7440-61-1	URANIUM (TOTAL)	0.0031	0.0003	mg/L	EPA200.8
CZN	7440-66-6	ZINC	0.33	0.01	mg/L	EPA200.8

Location: 12942 FRANKLIN ST 48837 Occupant: GLENDENNING County: Eaton

Test	CasNo	Analyte	Result	Detect	Units	Method
<u>LC2003042951 Collect Date: 08/25/2003 Arrival Date: 08/26/2003</u>						
CCON	COND-00-C	CONDUCTIVITY (MANUAL)	830	1	umhos	EPA120.1
CPH	PH-00-C	PH (HYDROGEN ION)	7.4	2.0		EPA150.1
CRA	16984-48-8	FLUORIDE (AUTOMATED)	0.2	0.1	mg/L	SM4500NO3H,SM3
CRA	7439-89-6	IRON (AUTOMATED)	0.2	0.1	mg/L	SM4500NO3H,SM3
CRA	HARD-00-C	HARDNESS AS CaCO ₃	433	10	mg/L	SM4500NO3H,SM3
CRA	7440-23-5	SODIUM (AUTOMATED)	41	5	mg/L	SM4500NO3H,SM3
CRA	7647-14-5	CHLORIDE (AUTOMATED)	75	4	mg/L	SM4500NO3H,SM3
CRA	14797-65-0	NITRITE AS N (AUTOMATED)	0.03	0.05	mg/L	SM4500NO3H,SM3
CRA	14797-55-8	NITRATE AS N (AUTOMATED)	0.5	0.4	mg/L	SM4500NO3H,SM3
CRA	14808-79-8	SULFATE (AUTOMATED)	50	5	mg/L	SM4500NO3H,SM3
<u>LC2003042964 Collect Date: 08/25/2003 Arrival Date: 08/26/2003</u>						
CAS	7440-38-2	ARSENIC (TOTAL)	0.001	0.002	mg/L	EPA200.8
CBA	7440-39-3	BARIUM	0.06	0.01	mg/L	EPA200.8
CBE	7440-41-7	BERYLLIUM	0.0001	0.0004	mg/L	EPA200.8
CCD		++ All Analytes for this Test Code are Non Detect (ND) ++				
CCR		++ All Analytes for this Test Code are Non Detect (ND) ++				
CCU	7440-50-8	COPPER (RECOVERABLE)	0.04	0.05	mg/L	EPA200.8
CFE	7439-89-6	IRON	0.24	0.01	mg/L	EPA200.8
CHG		++ All Analytes for this Test Code are Non Detect (ND) ++				
CMN	7439-96-5	MANGANESE	0.12	0.01	mg/L	EPA200.8
CNI		++ All Analytes for this Test Code are Non Detect (ND) ++				
CPB		++ All Analytes for this Test Code are Non Detect (ND) ++				
CSB		++ All Analytes for this Test Code are Non Detect (ND) ++				

Site Code : PARSONS Site Name: Parsons Chemical (cont.)

 Location: 12942 FRANKLIN ST 48837 Occupant: GLENDENNING County: Eaton (cont.)

<u>Test</u>	<u>CasNo</u>	<u>Analyte</u>	<u>Result</u>	<u>Detect</u>	<u>Units</u>	<u>Method</u>
<u>LC2003042964 Collect Date: 08/25/2003 Arrival Date: 08/26/2003 (cont.)</u>						
CSE		++ All Analytes for this Test Code are Non Detect (ND) ++				
CTL		++ All Analytes for this Test Code are Non Detect (ND) ++				
CU	7440-61-1	URANIUM (TOTAL)	0.0006	0.0003	mg/L	EPA200.8
CZN	7440-66-6	ZINC	0.01	0.01	mg/L	EPA200.8

LC2003042906 Collect Date: 08/23/2003 Arrival Date: 08/26/2003

CXPT ++ All Analytes for this Test Code are Non Detect (ND) ++

 Location: 12964 FRANKLIN ST 48837 Occupant: GOVEA County: Eaton

<u>Test</u>	<u>CasNo</u>	<u>Analyte</u>	<u>Result</u>	<u>Detect</u>	<u>Units</u>	<u>Method</u>
<u>LC2003042907 Collect Date: 08/25/2003 Arrival Date: 08/26/2003</u>						
CXPT ++ All Analytes for this Test Code are Non Detect (ND) ++						
<u>LC2003042932 Collect Date: 08/25/2003 Arrival Date: 08/26/2003</u>						
CCON	COND-00-C	CONDUCTIVITY (MANUAL)	700	1	umhos	EPA120.1
CPH	PH-00-C	PH (HYDROGEN ION)	7.7	2.0		EPA150.1
CRA	16984-48-8	FLUORIDE (AUTOMATED)	0.4	0.1	mg/L	SM4500NO3H,SM3
CRA	7439-89-6	IRON (AUTOMATED)	0.1	0.1	mg/L	SM4500NO3H,SM3
CRA	HARD-00-C	HARDNESS AS CaCO ₃	437	10	mg/L	SM4500NO3H,SM3
CRA	7440-23-5	SODIUM (AUTOMATED)	14	5	mg/L	SM4500NO3H,SM3
CRA	7647-14-5	CHLORIDE (AUTOMATED)	17	4	mg/L	SM4500NO3H,SM3
CRA	14797-65-0	NITRITE AS N (AUTOMATED)	0.02	0.05	mg/L	SM4500NO3H,SM3
CRA	14797-55-8	NITRATE AS N (AUTOMATED)	0.4	0.4	mg/L	SM4500NO3H,SM3
CRA	14808-79-8	SULFATE (AUTOMATED)	67	5	mg/L	SM4500NO3H,SM3
<u>LC2003042965 Collect Date: 08/25/2003 Arrival Date: 08/26/2003</u>						
CAS	7440-38-2	ARSENIC (TOTAL)	0.003	0.002	mg/L	EPA200.8
CBA	7440-39-3	BARIUM	0.15	0.01	mg/L	EPA200.8
CBE	++ All Analytes for this Test Code are Non Detect (ND) ++					
CCD	++ All Analytes for this Test Code are Non Detect (ND) ++					
CCR	++ All Analytes for this Test Code are Non Detect (ND) ++					
CCU	7440-50-8	COPPER (RECOVERABLE)	0.15	0.05	mg/L	EPA200.8
CFE	7439-89-6	IRON	0.02	0.01	mg/L	EPA200.8
CHG	++ All Analytes for this Test Code are Non Detect (ND) ++					
CMN	++ All Analytes for this Test Code are Non Detect (ND) ++					
CNI	7440-02-0	NICKEL	0.01	0.01	mg/L	EPA200.8
CPB	7439-92-1	LEAD (TOTAL)	0.002	0.001	mg/L	EPA200.8
CSB	++ All Analytes for this Test Code are Non Detect (ND) ++					
CSE	7782-49-2	SELENIUM (TOTAL)	0.001	0.001	mg/L	EPA200.8
CTL	++ All Analytes for this Test Code are Non Detect (ND) ++					
CU	7440-61-1	URANIUM (TOTAL)	0.0001	0.0003	mg/L	EPA200.8
CZN	7440-66-6	ZINC	0.02	0.01	mg/L	EPA200.8

Site Code : PARSONS Site Name: Parsons Chemical (cont.)

Location: 12763 GEORGIA AVE 48837 Occupant: TIEN County: Eaton

<u>Test</u>	<u>CasNo</u>	<u>Analyte</u>	<u>Result</u>	<u>Detect</u>	<u>Units</u>	<u>Method</u>
<u>LC2003042923 Collect Date: 08/25/2003 Arrival Date: 08/26/2003</u>						
CXPT ++ All Analytes for this Test Code are Non Detect (ND) ++						
<u>LC2003042934 Collect Date: 08/25/2003 Arrival Date: 08/26/2003</u>						
CCON	COND-00-C	CONDUCTIVITY (MANUAL)	550	1	umhos	EPA120.1
CPH	PH-00-C	PH (HYDROGEN ION)	7.5	2.0		EPA150.1
CRA	16984-48-8	FLUORIDE (AUTOMATED)	0.4	0.1	mg/L	SM4500NO3H.SM3
CRA	7439-89-6	IRON (AUTOMATED)	0.1	0.1	mg/L	SM4500NO3H.SM3
CRA	HARD-00-C	HARDNESS AS CaCO ₃	340	10	mg/L	SM4500NO3H.SM3
CRA	7440-23-5	SODIUM (AUTOMATED)	7	5	mg/L	SM4500NO3H.SM3
CRA	7647-14-5	CHLORIDE (AUTOMATED)	6	4	mg/L	SM4500NO3H.SM3
CRA	14797-65-0	NITRITE AS N (AUTOMATED)	0.03	0.05	mg/L	SM4500NO3H.SM3
CRA	14797-55-8	NITRATE AS N (AUTOMATED)	0.4	0.4	mg/L	SM4500NO3H.SM3
CRA	14808-79-8	SULFATE (AUTOMATED)	26	5	mg/L	SM4500NO3H.SM3
<u>LC2003042971 Collect Date: 08/25/2003 Arrival Date: 08/26/2003</u>						
CAS	++ All Analytes for this Test Code are Non Detect (ND) ++					
CBA	7440-39-3	BARIUM	0.15	0.01	mg/L	EPA200.8
CBE	++ All Analytes for this Test Code are Non Detect (ND) ++					
CCD	++ All Analytes for this Test Code are Non Detect (ND) ++					
CCR	++ All Analytes for this Test Code are Non Detect (ND) ++					
CCU	++ All Analytes for this Test Code are Non Detect (ND) ++					
CFE	7439-89-6	IRON	0.17	0.01	mg/L	EPA200.8
CHG	++ All Analytes for this Test Code are Non Detect (ND) ++					
CMN	7439-96-5	MANGANESE	0.02	0.01	mg/L	EPA200.8
CNI	++ All Analytes for this Test Code are Non Detect (ND) ++					
CPB	++ All Analytes for this Test Code are Non Detect (ND) ++					
CSB	++ All Analytes for this Test Code are Non Detect (ND) ++					
CSE	++ All Analytes for this Test Code are Non Detect (ND) ++					
CTL	++ All Analytes for this Test Code are Non Detect (ND) ++					
CU	++ All Analytes for this Test Code are Non Detect (ND) ++					
CZN	7440-66-6	ZINC	0.01	0.01	mg/L	EPA200.8

Location: 12768 GEORGIA AVE 48837 Occupant: AYERS County: Eaton

<u>Test</u>	<u>CasNo</u>	<u>Analyte</u>	<u>Result</u>	<u>Detect</u>	<u>Units</u>	<u>Method</u>
<u>LC2003042333 Collect Date: 08/20/2003 Arrival Date: 08/21/2003</u>						
CAS 7440-38-2 ARSENIC (TOTAL)						
CBA	7440-39-3	BARIUM	0.002	0.002	mg/L	EPA200.8
CBE	++ All Analytes for this Test Code are Non Detect (ND) ++					
CCD	++ All Analytes for this Test Code are Non Detect (ND) ++					
CCR	++ All Analytes for this Test Code are Non Detect (ND) ++					
CCU	7440-50-8	COPPER (RECOVERABLE)	0.11	0.05	mg/L	EPA200.8
CFE	7439-89-6	IRON	0.76	0.01	mg/L	EPA200.8
CHG	++ All Analytes for this Test Code are Non Detect (ND) ++					
CMN	7439-96-5	MANGANESE	0.08	0.01	mg/L	EPA200.8
CNI	++ All Analytes for this Test Code are Non Detect (ND) ++					

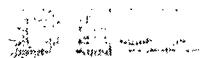
Site Code : PARSONS Site Name: Parsons Chemical (cont.)

Location: 12768 GEORGIA AVE 48837 Occupant: AYERS County: Eaton (cont.)

<u>Test</u>	<u>CasNo</u>	<u>Analyte</u>	<u>Result</u>	<u>Detect</u>	<u>Units</u>	<u>Method</u>
<u>LC2003042333 Collect Date: 08/20/2003 Arrival Date: 08/21/2003 (cont.)</u>						
CPB	7439-92-1	LEAD (TOTAL)	0.003	0.001	mg/L	EPA200.8
CSB	++ All Analytes for this Test Code are Non Detect (ND) ++					
CSE	7782-49-2	SELENIUM (TOTAL)	0.001	0.001	mg/L	EPA200.8
CTL	++ All Analytes for this Test Code are Non Detect (ND) ++					
CU	7440-61-1	URANIUM (TOTAL)	0.0005	0.0003	mg/L	EPA200.8
CZN	7440-66-6	ZINC	0.01	0.01	mg/L	EPA200.8
<u>LC2003042352 Collect Date: 08/20/2003 Arrival Date: 08/21/2003</u>						
CCON	COND-00-C	CONDUCTIVITY (MANUAL)	1260	1	umhos	EPA120.1
CPH	PH-00-C	PH (HYDROGEN ION)	7.3	2.0		EPA150.1
CRA	16984-48-8	FLUORIDE (AUTOMATED)	0.2	0.1	mg/L	SM4500NO3H,SM3
CRA	7439-89-6	IRON (AUTOMATED)	0.7	0.1	mg/L	SM4500NO3H,SM3
CRA	HARD-00-C	HARDNESS AS CaCO ₃	373	10	mg/L	SM4500NO3H,SM3
CRA	7440-23-5	SODIUM (AUTOMATED)	167	5	mg/L	SM4500NO3H,SM3
CRA	7647-14-5	CHLORIDE (AUTOMATED)	184	4	mg/L	SM4500NO3H,SM3
CRA	14797-65-0	NITRITE AS N (AUTOMATED)	0.02	0.05	mg/L	SM4500NO3H,SM3
CRA	14797-55-8	NITRATE AS N (AUTOMATED)	0.3	0.4	mg/L	SM4500NO3H,SM3
CRA	14808-79-8	SULFATE (AUTOMATED)	32	5	mg/L	SM4500NO3H,SM3
<u>LC2003042365 Collect Date: 08/20/2003 Arrival Date: 08/21/2003</u>						
CXPT	++ All Analytes for this Test Code are Non Detect (ND) ++					

Location: 12781 GEORGIA AVE 48837 Occupant: BERRYHILL County: Eaton

<u>Test</u>	<u>CasNo</u>	<u>Analyte</u>	<u>Result</u>	<u>Detect</u>	<u>Units</u>	<u>Method</u>
<u>LC2003042924 Collect Date: 08/25/2003 Arrival Date: 08/26/2003</u>						
CXPT	++ All Analytes for this Test Code are Non Detect (ND) ++					
<u>LC2003042938 Collect Date: 08/25/2003 Arrival Date: 08/26/2003</u>						
CCON	COND-00-C	CONDUCTIVITY (MANUAL)	550	1	umhos	EPA120.1
CPH	PH-00-C	PH (HYDROGEN ION)	7.3	2.0		EPA150.1
CRA	16984-48-8	FLUORIDE (AUTOMATED)	0.4	0.1	mg/L	SM4500NO3H,SM3
CRA	7439-89-6	IRON (AUTOMATED)	1.3	0.1	mg/L	SM4500NO3H,SM3
CRA	HARD-00-C	HARDNESS AS CaCO ₃	335	10	mg/L	SM4500NO3H,SM3
CRA	7440-23-5	SODIUM (AUTOMATED)	5	5	mg/L	SM4500NO3H,SM3
CRA	7647-14-5	CHLORIDE (AUTOMATED)	4	4	mg/L	SM4500NO3H,SM3
CRA	14797-65-0	NITRITE AS N (AUTOMATED)	0.04	0.05	mg/L	SM4500NO3H,SM3
CRA	14797-55-8	NITRATE AS N (AUTOMATED)	0.3	0.4	mg/L	SM4500NO3H,SM3
CRA	14808-79-8	SULFATE (AUTOMATED)	22	5	mg/L	SM4500NO3H,SM3
<u>LC2003042968 Collect Date: 08/25/2003 Arrival Date: 08/26/2003</u>						
CAS	++ All Analytes for this Test Code are Non Detect (ND) ++					
CBA	7440-39-3	BARIUM	0.08	0.01	mg/L	EPA200.8
CBE	++ All Analytes for this Test Code are Non Detect (ND) ++					
CCD	++ All Analytes for this Test Code are Non Detect (ND) ++					
CCR	++ All Analytes for this Test Code are Non Detect (ND) ++					
CCU	++ All Analytes for this Test Code are Non Detect (ND) ++					
CFE	7439-89-6	IRON	1.18	0.01	mg/L	EPA200.8



Department of Environmental Quality
Drinking Water and Radiological Protection Division
Ground Water Supply Section
Contamination Investigation Unit

Selection criteria for this report is as follows:

Site code= 'PARSONS'

*** Non Detect (ND) Results Are Suppressed ***

Site Code : PARSONS Site Name: Parsons Chemical (cont.)

Location: 12781 GEORGIA AVE 48837 Occupant: BERRYHILL County: Eaton (cont.)

Test	CasNo	Analyte	Result	Detect	Units	Method
<u>LC2003042968 Collect Date: 08/25/2003 Arrival Date: 08/26/2003 (cont.)</u>						
CHG		++ All Analytes for this Test Code are Non Detect (ND) ++				
CMN	7439-96-5	MANGANESE	0.04	0.01	mg/L	EPA200.8
CNI		++ All Analytes for this Test Code are Non Detect (ND) ++				
CPB		++ All Analytes for this Test Code are Non Detect (ND) ++				
CSB		++ All Analytes for this Test Code are Non Detect (ND) ++				
CSE		++ All Analytes for this Test Code are Non Detect (ND) ++				
CTL		++ All Analytes for this Test Code are Non Detect (ND) ++				
CU		++ All Analytes for this Test Code are Non Detect (ND) ++				
CZN	7440-66-6	ZINC	0.11	0.01	mg/L	EPA200.8

Location: 12790 GEORGIA AVE 48837 Occupant: POTTS County: Eaton

Test	CasNo	Analyte	Result	Detect	Units	Method
<u>LC2003042347 Collect Date: 08/20/2003 Arrival Date: 08/21/2003</u>						
CCON	COND-00-C	CONDUCTIVITY (MANUAL)	1060	1	umhos	EPA120.1
CPH	PH-00-C	PH (HYDROGEN ION)	7.2	2.0		EPA150.1
CRA	16984-48-8	FLUORIDE (AUTOMATED)	0.2	0.1	mg/L	SM4500NO3H,SM3
CRA	7439-89-6	IRON (AUTOMATED)	0.7	0.1	mg/L	SM4500NO3H,SM3
CRA	HARD-00-C	HARDNESS AS CaCO3	520	10	mg/L	SM4500NO3H,SM3
CRA	7440-23-5	SODIUM (AUTOMATED)	64	5	mg/L	SM4500NO3H,SM3
CRA	7647-14-5	CHLORIDE (AUTOMATED)	118	4	mg/L	SM4500NO3H,SM3
CRA	14797-65-0	NITRITE AS N (AUTOMATED)	0.02	0.05	mg/L	SM4500NO3H,SM3
CRA	14797-55-8	NITRATE AS N (AUTOMATED)	0.3	0.4	mg/L	SM4500NO3H,SM3
CRA	14808-79-8	SULFATE (AUTOMATED)	39	5	mg/L	SM4500NO3H,SM3
<u>LC2003042354 Collect Date: 08/20/2003 Arrival Date: 08/21/2003</u>						
CAS	7440-38-2	ARSENIC (TOTAL)	0.001	0.002	mg/L	EPA200.8
CBA	7440-39-3	BARIUM	0.11	0.01	mg/L	EPA200.8
CBE		++ All Analytes for this Test Code are Non Detect (ND) ++				
CCD		++ All Analytes for this Test Code are Non Detect (ND) ++				
CCR		++ All Analytes for this Test Code are Non Detect (ND) ++				
CCU		++ All Analytes for this Test Code are Non Detect (ND) ++				
CFE	7439-89-6	IRON	0.62	0.01	mg/L	EPA200.8
CHG		++ All Analytes for this Test Code are Non Detect (ND) ++				
CMN	7439-96-5	MANGANESE	0.08	0.01	mg/L	EPA200.8
CNI		++ All Analytes for this Test Code are Non Detect (ND) ++				
CPB	7439-92-1	LEAD (TOTAL)	0.001	0.001	mg/L	EPA200.8
CSB		++ All Analytes for this Test Code are Non Detect (ND) ++				
CSE		++ All Analytes for this Test Code are Non Detect (ND) ++				
CTL		++ All Analytes for this Test Code are Non Detect (ND) ++				
CU	7440-61-1	URANIUM (TOTAL)	0.0006	0.0003	mg/L	EPA200.8
CZN	7440-66-6	ZINC	0.01	0.01	mg/L	EPA200.8
<u>LC2003042364 Collect Date: 08/20/2003 Arrival Date: 08/21/2003</u>						
CXPT		++ All Analytes for this Test Code are Non Detect (ND) ++				

Site Code : PARSONS Site Name: Parsons Chemical (cont.)

Location: 12796 GEORGIA AVE 48837 Occupant: COOPER County: Eaton

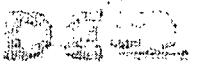
<u>Test</u>	<u>CasNo</u>	<u>Analyte</u>	<u>Result</u>	<u>Detect</u>	<u>Units</u>	<u>Method</u>
++ No Samples are Linked To This Sample Site ++						

Location: 12801 GEORGIA AVE 48837 Occupant: LESATZ County: Eaton

<u>Test</u>	<u>CasNo</u>	<u>Analyte</u>	<u>Result</u>	<u>Detect</u>	<u>Units</u>	<u>Method</u>
<u>LC2003042338 Collect Date: 08/20/2003 Arrival Date: 08/21/2003</u>						
CAS	7440-38-2	ARSENIC (TOTAL)	0.001	0.002	mg/L	EPA200.8
CBA	7440-39-3	BARIUM	0.09	0.01	mg/L	EPA200.8
CBE	++ All Analytes for this Test Code are Non Detect (ND) ++					
CCD	++ All Analytes for this Test Code are Non Detect (ND) ++					
CCR	++ All Analytes for this Test Code are Non Detect (ND) ++					
CCU	7440-50-8	COPPER (RECOVERABLE)	0.01	0.05	mg/L	EPA200.8
CFE	7439-89-6	IRON	0.58	0.01	mg/L	EPA200.8
CHG	++ All Analytes for this Test Code are Non Detect (ND) ++					
CMN	7439-96-5	MANGANESE	0.11	0.01	mg/L	EPA200.8
CNI	++ All Analytes for this Test Code are Non Detect (ND) ++					
CPB	7439-92-1	LEAD (TOTAL)	0.001	0.001	mg/L	EPA200.8
CSB	++ All Analytes for this Test Code are Non Detect (ND) ++					
CSE	7782-49-2	SELENIUM (TOTAL)	0.001	0.001	mg/L	EPA200.8
CTL	++ All Analytes for this Test Code are Non Detect (ND) ++					
CU	7440-61-1	URANIUM (TOTAL)	0.0005	0.0003	mg/L	EPA200.8
CZN	7440-66-6	ZINC	0.01	0.01	mg/L	EPA200.8
<u>LC2003042344 Collect Date: 08/20/2003 Arrival Date: 08/21/2003</u>						
CCON	COND-00-C	CONDUCTIVITY (MANUAL)	880	1	umhos	EPA120.1
CPH	PH-00-C	pH (HYDROGEN ION)	7.5	2.0		EPA150.1
CRA	16984-48-8	FLUORIDE (AUTOMATED)	0.2	0.1	mg/L	SM4500NO3H,SM3
CRA	7439-89-6	IRON (AUTOMATED)	0.8	0.1	mg/L	SM4500NO3H,SM3
CRA	HARD-00-C	HARDNESS AS CaCO ₃	460	10	mg/L	SM4500NO3H,SM3
CRA	7440-23-5	SODIUM (AUTOMATED)	44	5	mg/L	SM4500NO3H,SM3
CRA	7647-14-5	CHLORIDE (AUTOMATED)	81	4	mg/L	SM4500NO3H,SM3
CRA	14797-65-0	NITRITE AS N (AUTOMATED)	0.02	0.05	mg/L	SM4500NO3H,SM3
CRA	14797-55-8	NITRATE AS N (AUTOMATED)	0.3	0.4	mg/L	SM4500NO3H,SM3
CRA	14808-79-8	SULFATE (AUTOMATED)	44	5	mg/L	SM4500NO3H,SM3
<u>LC2003042369 Collect Date: 08/20/2003 Arrival Date: 08/21/2003</u>						
CXPT ++ All Analytes for this Test Code are Non Detect (ND) ++						

Location: 12804 GEORGIA AVE 48837 Occupant: BENSON & MCCUNE County: Eaton

<u>Test</u>	<u>CasNo</u>	<u>Analyte</u>	<u>Result</u>	<u>Detect</u>	<u>Units</u>	<u>Method</u>
<u>LC2003042341 Collect Date: 08/20/2003 Arrival Date: 08/21/2003</u>						
CAS	7440-38-2	ARSENIC (TOTAL)	0.001	0.002	mg/L	EPA200.8
CBA	7440-39-3	BARIUM	0.09	0.01	mg/L	EPA200.8
CBE	++ All Analytes for this Test Code are Non Detect (ND) ++					
CCD	++ All Analytes for this Test Code are Non Detect (ND) ++					
CCR	++ All Analytes for this Test Code are Non Detect (ND) ++					
CCU	7440-50-8	COPPER (RECOVERABLE)	0.01	0.05	mg/L	EPA200.8



Department of Environmental Quality
Drinking Water and Radiological Protection Division
Ground Water Supply Section
Contamination Investigation Unit

Selection criteria for this report is as follows:

Site code = PARSONS

... Non Detect (ND) Results Are Suppressed

Site Code : PARSONS Site Name: Parsons Chemical (cont.)

Location: 12804 GEORGIA AVE 48837 Occupant: BENSON & MCCUNE County: Eaton (cont.)

<u>Test</u>	<u>CasNo</u>	<u>Analyte</u>	<u>Result</u>	<u>Detect</u>	<u>Units</u>	<u>Method</u>
<u>LC2003042341 Collect Date: 08/20/2003 Arrival Date: 08/21/2003 (cont.)</u>						
CFE	7439-89-6	IRON	0.12	0.01	mg/L	EPA200.8
CHG	++ All Analytes for this Test Code are Non Detect (ND) ++					
CMN	7439-96-5	MANGANESE	0.08	0.01	mg/L	EPA200.8
CNI	++ All Analytes for this Test Code are Non Detect (ND) ++					
CPB	7439-92-1	LEAD (TOTAL)	0.001	0.001	mg/L	EPA200.8
CSB	++ All Analytes for this Test Code are Non Detect (ND) ++					
CSE	7782-49-2	SELENIUM (TOTAL)	0.001	0.001	mg/L	EPA200.8
CTL	++ All Analytes for this Test Code are Non Detect (ND) ++					
CU	7440-61-1	URANIUM (TOTAL)	0.0008	0.0003	mg/L	EPA200.8
CZN	7440-66-6	ZINC	0.01	0.01	mg/L	EPA200.8
<u>LC2003042349 Collect Date: 08/20/2003 Arrival Date: 08/21/2003</u>						
CCON	COND-00-C	CONDUCTIVITY (MANUAL)	1010	1	umhos	EPA120.1
CPH	PH-00-C	PH (HYDROGEN ION)	7.3	2.0		EPA150.1
CRA	16984-48-8	FLUORIDE (AUTOMATED)	0.2	0.1	mg/L	SM4500NO3H.SM3
CRA	7439-89-6	IRON (AUTOMATED)	0.2	0.1	mg/L	SM4500NO3H.SM3
CRA	HARD-00-C	HARDNESS AS CaCO ₃	514	10	mg/L	SM4500NO3H.SM3
CRA	7440-23-5	SODIUM (AUTOMATED)	56	5	mg/L	SM4500NO3H.SM3
CRA	7647-14-5	CHLORIDE (AUTOMATED)	102	4	mg/L	SM4500NO3H.SM3
CRA	14797-65-0	NITRITE AS N (AUTOMATED)	0.02	0.05	mg/L	SM4500NO3H.SM3
CRA	14797-55-8	NITRATE AS N (AUTOMATED)	0.3	0.4	mg/L	SM4500NO3H.SM3
CRA	14808-79-8	SULFATE (AUTOMATED)	41	5	mg/L	SM4500NO3H.SM3
<u>LC2003042370 Collect Date: 08/20/2003 Arrival Date: 08/21/2003</u>						
CXPT	++ All Analytes for this Test Code are Non Detect (ND) ++					

Location: 12816 GEORGIA AVE 48837 Occupant: BENSON & MCCUNE County: Eaton

<u>Test</u>	<u>CasNo</u>	<u>Analyte</u>	<u>Result</u>	<u>Detect</u>	<u>Units</u>	<u>Method</u>
++ No Samples are Linked To This Sample Site ++						

Location: 12817 GEORGIA AVE 48837 Occupant: UNDERWOOD County: Eaton

<u>Test</u>	<u>CasNo</u>	<u>Analyte</u>	<u>Result</u>	<u>Detect</u>	<u>Units</u>	<u>Method</u>
<u>LC2003042339 Collect Date: 08/20/2003 Arrival Date: 08/21/2003</u>						
CAS	++ All Analytes for this Test Code are Non Detect (ND) ++					
CBA	7440-39-3	BARIUM	0.11	0.01	mg/L	EPA200.8
CBE	++ All Analytes for this Test Code are Non Detect (ND) ++					
CCD	++ All Analytes for this Test Code are Non Detect (ND) ++					
CCR	++ All Analytes for this Test Code are Non Detect (ND) ++					
CCU	++ All Analytes for this Test Code are Non Detect (ND) ++					
CFE	7439-89-6	IRON	0.19	0.01	mg/L	EPA200.8
CHG	++ All Analytes for this Test Code are Non Detect (ND) ++					
CMN	7439-96-5	MANGANESE	0.05	0.01	mg/L	EPA200.8
CNI	++ All Analytes for this Test Code are Non Detect (ND) ++					
CPB	++ All Analytes for this Test Code are Non Detect (ND) ++					
CSB	++ All Analytes for this Test Code are Non Detect (ND) ++					

Site Code : PARSONS Site Name: Parsons Chemical (cont.)

Location: 12817 GEORGIA AVE 48837 Occupant: UNDERWOOD County: Eaton (cont.)

<u>Test</u>	<u>CasNo</u>	<u>Analyte</u>	<u>Result</u>	<u>Detect</u>	<u>Units</u>	<u>Method</u>
<u>LC2003042339 Collect Date: 08/20/2003 Arrival Date: 08/21/2003 (cont.)</u>						
CSE		++ All Analytes for this Test Code are Non Detect (ND) ++				
CTL		++ All Analytes for this Test Code are Non Detect (ND) ++				
CU	7440-61-1	URANIUM (TOTAL)	0.0004	0.0003	mg/L	EPA200.8
CZN	7440-66-6	ZINC	0.01	0.01	mg/L	EPA200.8
<u>LC2003042342 Collect Date: 08/20/2003 Arrival Date: 08/21/2003</u>						
CCON	COND-00-C	CONDUCTIVITY (MANUAL)	660	1	umhos	EPA120.1
CPH	PH-00-C	PH (HYDROGEN ION)	7.5	2.0		EPA150.1
CRA	16984-48-8	FLUORIDE (AUTOMATED)	0.4	0.1	mg/L	SM4500NO3H,SM3
CRA	7439-89-6	IRON (AUTOMATED)	0.2	0.1	mg/L	SM4500NO3H,SM3
CRA	HARD-00-C	HARDNESS AS CaCO ₃	393	10	mg/L	SM4500NO3H,SM3
CRA	7440-23-5	SODIUM (AUTOMATED)	15	5	mg/L	SM4500NO3H,SM3
CRA	7647-14-5	CHLORIDE (AUTOMATED)	17	4	mg/L	SM4500NO3H,SM3
CRA	14797-65-0	NITRITE AS N (AUTOMATED)	0.02	0.05	mg/L	SM4500NO3H,SM3
CRA	14797-55-8	NITRATE AS N (AUTOMATED)	0.3	0.4	mg/L	SM4500NO3H,SM3
CRA	14808-79-8	SULFATE (AUTOMATED)	33	5	mg/L	SM4500NO3H,SM3
<u>LC2003042361 Collect Date: 08/20/2003 Arrival Date: 08/21/2003</u>						
CXPT		++ All Analytes for this Test Code are Non Detect (ND) ++				

Location: 12826 GEORGIA AVE 48837 Occupant: O'BRIAN County: Eaton

<u>Test</u>	<u>CasNo</u>	<u>Analyte</u>	<u>Result</u>	<u>Detect</u>	<u>Units</u>	<u>Method</u>
<u>LC2003042340 Collect Date: 08/20/2003 Arrival Date: 08/21/2003</u>						
CAS	7440-38-2	ARSENIC (TOTAL)	0.002	0.002	mg/L	EPA200.8
CBA	7440-39-3	BARIUM	0.10	0.01	mg/L	EPA200.8
CBE		++ All Analytes for this Test Code are Non Detect (ND) ++				
CCD		++ All Analytes for this Test Code are Non Detect (ND) ++				
CCR		++ All Analytes for this Test Code are Non Detect (ND) ++				
CCU		++ All Analytes for this Test Code are Non Detect (ND) ++				
CFE	7439-89-6	IRON	1.40	0.01	mg/L	EPA200.8
CHG		++ All Analytes for this Test Code are Non Detect (ND) ++				
CMN	7439-96-5	MANGANESE	0.17	0.01	mg/L	EPA200.8
CNI	7440-02-0	NICKEL	0.01	0.01	mg/L	EPA200.8
CPB		++ All Analytes for this Test Code are Non Detect (ND) ++				
CSB		++ All Analytes for this Test Code are Non Detect (ND) ++				
CSE	7782-49-2	SELENIUM (TOTAL)	0.001	0.001	mg/L	EPA200.8
CTL		++ All Analytes for this Test Code are Non Detect (ND) ++				
CU	7440-61-1	URANIUM (TOTAL)	0.0024	0.0003	mg/L	EPA200.8
CZN	7440-66-6	ZINC	0.07	0.01	mg/L	EPA200.8
<u>LC2003042343 Collect Date: 08/20/2003 Arrival Date: 08/21/2003</u>						
CCON	COND-00-C	CONDUCTIVITY (MANUAL)	1010	1	umhos	EPA120.1
CPH	PH-00-C	PH (HYDROGEN ION)	7.2	2.0		EPA150.1
CRA	16984-48-8	FLUORIDE (AUTOMATED)	0.2	0.1	mg/L	SM4500NO3H,SM3
CRA	7439-89-6	IRON (AUTOMATED)	1.3	0.1	mg/L	SM4500NO3H,SM3
CRA	HARD-00-C	HARDNESS AS CaCO ₃	511	10	mg/L	SM4500NO3H,SM3

Site Code : PARSONS Site Name: Parsons Chemical (cont.)

 Location: 12826 GEORGIA AVE 48837 Occupant: O'BRIAN County: Eaton (cont.)

<u>Test</u>	<u>CasNo</u>	<u>Analyte</u>	<u>Result</u>	<u>Detect</u>	<u>Units</u>	<u>Method</u>
<u>LC2003042343</u>	Collect Date: 08/20/2003	Arrival Date: 08/21/2003 (cont.)				
CRA	7440-23-5	SODIUM (AUTOMATED)	57	5	mg/L	SM4500NO3H.SM3
CRA	7647-14-5	CHLORIDE (AUTOMATED)	99	4	mg/L	SM4500NO3H.SM3
CRA	14797-65-0	NITRITE AS N (AUTOMATED)	0.03	0.05	mg/L	SM4500NO3H.SM3
CRA	14797-55-8	NITRATE AS N (AUTOMATED)	0.3	0.4	mg/L	SM4500NO3H.SM3
CRA	14808-79-8	SULFATE (AUTOMATED)	41	5	mg/L	SM4500NO3H.SM3

LC2003042367 Collect Date: 08/20/2003 Arrival Date: 08/21/2003

CXPT ++ All Analytes for this Test Code are Non Detect (ND) ++

 Location: 12838 GEORGIA AVE 48837 Occupant: ROSE III County: Eaton

<u>Test</u>	<u>CasNo</u>	<u>Analyte</u>	<u>Result</u>	<u>Detect</u>	<u>Units</u>	<u>Method</u>
<u>LC2003042918</u>	Collect Date: 08/25/2003	Arrival Date: 08/26/2003				
CXPT	++ All Analytes for this Test Code are Non Detect (ND) ++					
<u>LC2003042940</u>	Collect Date: 08/25/2003	Arrival Date: 08/26/2003				
CCON	COND-00-C	CONDUCTIVITY (MANUAL)	970	1	umhos	EPA120.1
CPH	PH-00-C	PH (HYDROGEN ION)	7.9	2.0		EPA150.1
CRA	16984-48-8	FLUORIDE (AUTOMATED)	0.2	0.1	mg/L	SM4500NO3H.SM3
CRA	7439-89-6	IRON (AUTOMATED)	0.2	0.1	mg/L	SM4500NO3H.SM3
CRA	HARD-00-C	HARDNESS AS CaCO ₃	497	10	mg/L	SM4500NO3H.SM3
CRA	7440-23-5	SODIUM (AUTOMATED)	61	5	mg/L	SM4500NO3H.SM3
CRA	7647-14-5	CHLORIDE (AUTOMATED)	103	4	mg/L	SM4500NO3H.SM3
CRA	14797-65-0	NITRITE AS N (AUTOMATED)	0.03	0.05	mg/L	SM4500NO3H.SM3
CRA	14797-55-8	NITRATE AS N (AUTOMATED)	0.2	0.4	mg/L	SM4500NO3H.SM3
CRA	14808-79-8	SULFATE (AUTOMATED)	49	5	mg/L	SM4500NO3H.SM3
<u>LC2003042974</u>	Collect Date: 08/25/2003	Arrival Date: 08/26/2003				
CAS	7440-38-2	ARSENIC (TOTAL)	0.001	0.002	mg/L	EPA200.8
CBA	7440-39-3	BARIUM	0.08	0.01	mg/L	EPA200.8
CBE	++ All Analytes for this Test Code are Non Detect (ND) ++					
CCD	7440-43-9	CADMIUM (TOTAL)	0.0002	0.0003	mg/L	EPA200.8
CCR	++ All Analytes for this Test Code are Non Detect (ND) ++					
CCU	7440-50-8	COPPER (RECOVERABLE)	0.02	0.05	mg/L	EPA200.8
CFE	7439-89-6	IRON	1.44	0.01	mg/L	EPA200.8
CHG	++ All Analytes for this Test Code are Non Detect (ND) ++					
CMN	7439-96-5	MANGANESE	0.07	0.01	mg/L	EPA200.8
CNI	7440-02-0	NICKEL	0.01	0.01	mg/L	EPA200.8
CPB	7439-92-1	LEAD (TOTAL)	0.004	0.001	mg/L	EPA200.8
CSB	++ All Analytes for this Test Code are Non Detect (ND) ++					
CSE	7782-49-2	SELENIUM (TOTAL)	0.001	0.001	mg/L	EPA200.8
CTL	++ All Analytes for this Test Code are Non Detect (ND) ++					
CU	7440-61-1	URANIUM (TOTAL)	0.0031	0.0003	mg/L	EPA200.8
CZN	7440-66-6	ZINC	0.14	0.01	mg/L	EPA200.8

Site Code : PARSONS Site Name: Parsons Chemical (cont.)

Location: 12859 GEORGIA AVE 48837 Occupant: HUHN County: Eaton

<u>Test</u>	<u>CasNo</u>	<u>Analyte</u>	<u>Result</u>	<u>Detect</u>	<u>Units</u>	<u>Method</u>
<u>LC2003042335 Collect Date: 08/20/2003 Arrival Date: 08/21/2003</u>						
CAS		++ All Analytes for this Test Code are Non Detect (ND) ++				
CBA	7440-39-3	BARIUM	0.07	0.01	mg/L	EPA200.8
CBE		++ All Analytes for this Test Code are Non Detect (ND) ++				
CCD		++ All Analytes for this Test Code are Non Detect (ND) ++				
CCR		++ All Analytes for this Test Code are Non Detect (ND) ++				
CCU	7440-50-8	COPPER (RECOVERABLE)	0.09	0.05	mg/L	EPA200.8
CFE		++ All Analytes for this Test Code are Non Detect (ND) ++				
CHG		++ All Analytes for this Test Code are Non Detect (ND) ++				
CMN		++ All Analytes for this Test Code are Non Detect (ND) ++				
CNI		++ All Analytes for this Test Code are Non Detect (ND) ++				
CPB	7439-92-1	LEAD (TOTAL)	0.001	0.001	mg/L	EPA200.8
CSB		++ All Analytes for this Test Code are Non Detect (ND) ++				
CSE	7782-49-2	SELENIUM (TOTAL)	0.001	0.001	mg/L	EPA200.8
CTL		++ All Analytes for this Test Code are Non Detect (ND) ++				
CU	7440-61-1	URANIUM (TOTAL)	0.0016	0.0003	mg/L	EPA200.8
CZN	7440-66-6	ZINC	0.04	0.01	mg/L	EPA200.8

LC2003042358 Collect Date: 08/20/2003 Arrival Date: 08/21/2003

CXPT ++ All Analytes for this Test Code are Non Detect (ND) ++

LC2003042363 Collect Date: 08/20/2003 Arrival Date: 08/21/2003

CCON	COND-00-C	CONDUCTIVITY (MANUAL)	1060	1	umhos	EPA120.1
CPH	PH-00-C	PH (HYDROGEN ION)	7.3	2.0		EPA150.1
CRA	16984-48-8	FLUORIDE (AUTOMATED)	0.2	0.1	mg/L	SM4500NO3H.SM3
CRA	7439-89-6	IRON (AUTOMATED)	0.1	0.1	mg/L	SM4500NO3H.SM3
CRA	HARD-00-C	HARDNESS AS CaCO ₃	524	10	mg/L	SM4500NO3H.SM3
CRA	7440-23-5	SODIUM (AUTOMATED)	39	5	mg/L	SM4500NO3H.SM3
CRA	7647-14-5	CHLORIDE (AUTOMATED)	153	4	mg/L	SM4500NO3H.SM3
CRA	14797-65-0	NITRITE AS N (AUTOMATED)	0.01	0.05	mg/L	SM4500NO3H.SM3
CRA	14797-55-8	NITRATE AS N (AUTOMATED)	2.1	0.4	mg/L	SM4500NO3H.SM3
CRA	14808-79-8	SULFATE (AUTOMATED)	65	5	mg/L	SM4500NO3H.SM3

Location: 12867 GEORGIA AVE 48837 Occupant: PARSONS County: Eaton

<u>Test</u>	<u>CasNo</u>	<u>Analyte</u>	<u>Result</u>	<u>Detect</u>	<u>Units</u>	<u>Method</u>
++ No Samples are Linked To This Sample Site ++						

Location: 12900 GEORGIA AVE 48837 Occupant: MALONEY County: Eaton

<u>Test</u>	<u>CasNo</u>	<u>Analyte</u>	<u>Result</u>	<u>Detect</u>	<u>Units</u>	<u>Method</u>
++ No Samples are Linked To This Sample Site ++						

Location: 12901 GEORGIA AVE 48837 Occupant: HUHN County: Eaton

<u>Test</u>	<u>CasNo</u>	<u>Analyte</u>	<u>Result</u>	<u>Detect</u>	<u>Units</u>	<u>Method</u>
<u>LC2003042337 Collect Date: 08/20/2003 Arrival Date: 08/21/2003</u>						
CAS	7440-38-2	ARSENIC (TOTAL)	0.003	0.002	mg/L	EPA200.8
CBA	7440-39-3	BARIUM	0.11	0.01	mg/L	EPA200.8

Site Code : PARSONS Site Name: Parsons Chemical (cont.)

Location: 12901 GEORGIA AVE 48837 Occupant: HUHN County: Eaton (cont.)

<u>Test</u>	<u>CasNo</u>	<u>Analyte</u>	<u>Result</u>	<u>Detect</u>	<u>Units</u>	<u>Method</u>
<u>LC2003042337</u> Collect Date: 08/20/2003 Arrival Date: 08/21/2003 (cont.)						
CBE		++ All Analytes for this Test Code are Non Detect (ND) ++				
CCD		++ All Analytes for this Test Code are Non Detect (ND) ++				
CCR		++ All Analytes for this Test Code are Non Detect (ND) ++				
CCU		++ All Analytes for this Test Code are Non Detect (ND) ++				
CFE	7439-89-6	IRON	1.05	0.01	mg/L	EPA200.8
CHG		++ All Analytes for this Test Code are Non Detect (ND) ++				
CMN	7439-96-5	MANGANESE	0.05	0.01	mg/L	EPA200.8
CNI		++ All Analytes for this Test Code are Non Detect (ND) ++				
CPB	7439-92-1	LEAD (TOTAL)	0.001	0.001	mg/L	EPA200.8
CSB		++ All Analytes for this Test Code are Non Detect (ND) ++				
CSE	7782-49-2	SELENIUM (TOTAL)	0.001	0.001	mg/L	EPA200.8
CTL		++ All Analytes for this Test Code are Non Detect (ND) ++				
CU	7440-61-1	URANIUM (TOTAL)	0.0005	0.0003	mg/L	EPA200.8
CZN	7440-66-6	ZINC	0.05	0.01	mg/L	EPA200.8
<u>LC2003042356</u> Collect Date: 08/20/2003 Arrival Date: 08/21/2003						
CXPT		++ All Analytes for this Test Code are Non Detect (ND) ++				
<u>LC2003042362</u> Collect Date: 08/20/2003 Arrival Date: 08/21/2003						
CCON	COND-00-C	CONDUCTIVITY (MANUAL)	740	1	umhos	EPA120.1
CPH	PH-00-C	PH (HYDROGEN ION)	7.4	2.0		EPA150.1
CRA	16984-48-8	FLUORIDE (AUTOMATED)	0.3	0.1	mg/L	SM4500NO3H,SM3
CRA	7439-89-6	IRON (AUTOMATED)	1.1	0.1	mg/L	SM4500NO3H,SM3
CRA	HARD-00-C	HARDNESS AS CaCO ₃	432	10	mg/L	SM4500NO3H,SM3
CRA	7440-23-5	SODIUM (AUTOMATED)	10	5	mg/L	SM4500NO3H,SM3
CRA	7647-14-5	CHLORIDE (AUTOMATED)	44	4	mg/L	SM4500NO3H,SM3
CRA	14797-65-0	NITRITE AS N (AUTOMATED)	0.02	0.05	mg/L	SM4500NO3H,SM3
CRA	14797-55-8	NITRATE AS N (AUTOMATED)	0.3	0.4	mg/L	SM4500NO3H,SM3
CRA	14808-79-8	SULFATE (AUTOMATED)	50	5	mg/L	SM4500NO3H,SM3

Location: 12905 GEORGIA AVE 48837 Occupant: SHEPARD County: Eaton

<u>Test</u>	<u>CasNo</u>	<u>Analyte</u>	<u>Result</u>	<u>Detect</u>	<u>Units</u>	<u>Method</u>
<u>LC2003042334</u> Collect Date: 08/20/2003 Arrival Date: 08/21/2003						
CAS		++ All Analytes for this Test Code are Non Detect (ND) ++				
CBA	7440-39-3	BARIUM	0.11	0.01	mg/L	EPA200.8
CBE		++ All Analytes for this Test Code are Non Detect (ND) ++				
CCD		++ All Analytes for this Test Code are Non Detect (ND) ++				
CCR		++ All Analytes for this Test Code are Non Detect (ND) ++				
CCU		++ All Analytes for this Test Code are Non Detect (ND) ++				
CFE	7439-89-6	IRON	1.00	0.01	mg/L	EPA200.8
CHG		++ All Analytes for this Test Code are Non Detect (ND) ++				
CMN	7439-96-5	MANGANESE	0.04	0.01	mg/L	EPA200.8
CNI		++ All Analytes for this Test Code are Non Detect (ND) ++				
CPB		++ All Analytes for this Test Code are Non Detect (ND) ++				
CSB		++ All Analytes for this Test Code are Non Detect (ND) ++				

Site Code : PARSONS Site Name: Parsons Chemical (cont.)

Location: 12905 GEORGIA AVE 48837 Occupant: SHEPARD County: Eaton (cont.)

<u>Test</u>	<u>CasNo</u>	<u>Analyte</u>	<u>Result</u>	<u>Detect</u>	<u>Units</u>	<u>Method</u>
<u>LC2003042334 Collect Date: 08/20/2003 Arrival Date: 08/21/2003 (cont.)</u>						
CSE		++ All Analytes for this Test Code are Non Detect (ND) ++				
CTL		++ All Analytes for this Test Code are Non Detect (ND) ++				
CU	7440-61-1	URANIUM (TOTAL)	0.0001	0.0003	mg/L	EPA200.8
CZN	7440-66-6	ZINC	0.01	0.01	mg/L	EPA200.8
<u>LC2003042346 Collect Date: 08/20/2003 Arrival Date: 08/21/2003</u>						
CCON	COND-00-C	CONDUCTIVITY (MANUAL)	690	1	umhos	EPA120.1
CPH	PH-00-C	PH (HYDROGEN ION)	7.4	2.0		EPA150.1
CRA	16984-48-8	FLUORIDE (AUTOMATED)	0.4	0.1	mg/L	SM4500NO3H,SM3
CRA	7439-89-6	IRON (AUTOMATED)	1.3	0.1	mg/L	SM4500NO3H,SM3
CRA	HARD-00-C	HARDNESS AS CaCO ₃	425	10	mg/L	SM4500NO3H,SM3
CRA	7440-23-5	SODIUM (AUTOMATED)	6	5	mg/L	SM4500NO3H,SM3
CRA	7647-14-5	CHLORIDE (AUTOMATED)	5	4	mg/L	SM4500NO3H,SM3
CRA	14797-65-0	NITRITE AS N (AUTOMATED)	0.03	0.05	mg/L	SM4500NO3H,SM3
CRA	14797-55-8	NITRATE AS N (AUTOMATED)	0.3	0.4	mg/L	SM4500NO3H,SM3
CRA	14808-79-8	SULFATE (AUTOMATED)	68	5	mg/L	SM4500NO3H,SM3
<u>LC2003042368 Collect Date: 08/20/2003 Arrival Date: 08/21/2003</u>						
CXPT		++ All Analytes for this Test Code are Non Detect (ND) ++				

Location: 12916 GEORGIA AVE 48837 Occupant: SHEPARD County: Eaton

<u>Test</u>	<u>CasNo</u>	<u>Analyte</u>	<u>Result</u>	<u>Detect</u>	<u>Units</u>	<u>Method</u>
<u>LC2003046117 Collect Date: 09/09/2003 Arrival Date: 09/10/2003</u>						
CXPT		++ All Analytes for this Test Code are Non Detect (ND) ++				
<u>LC2003042345 Collect Date: 08/20/2003 Arrival Date: 08/21/2003</u>						
CCON	COND-00-C	CONDUCTIVITY (MANUAL)	890	1	umhos	EPA120.1
CPH	PH-00-C	PH (HYDROGEN ION)	7.1	2.0		EPA150.1
CRA	16984-48-8	FLUORIDE (AUTOMATED)	0.2	0.1	mg/L	SM4500NO3H,SM3
CRA	7439-89-6	IRON (AUTOMATED)	3.4	0.1	mg/L	SM4500NO3H,SM3
CRA	HARD-00-C	HARDNESS AS CaCO ₃	474	10	mg/L	SM4500NO3H,SM3
CRA	7440-23-5	SODIUM (AUTOMATED)	34	5	mg/L	SM4500NO3H,SM3
CRA	7647-14-5	CHLORIDE (AUTOMATED)	92	4	mg/L	SM4500NO3H,SM3
CRA	14797-65-0	NITRITE AS N (AUTOMATED)	0.04	0.05	mg/L	SM4500NO3H,SM3
CRA	14797-55-8	NITRATE AS N (AUTOMATED)	0.3	0.4	mg/L	SM4500NO3H,SM3
CRA	14808-79-8	SULFATE (AUTOMATED)	52	5	mg/L	SM4500NO3H,SM3
<u>LC2003042353 Collect Date: 08/20/2003 Arrival Date: 08/21/2003</u>						
CAS	7440-38-2	ARSENIC (TOTAL)	0.001	0.002	mg/L	EPA200.8
CBA	7440-39-3	BARIUM	0.09	0.01	mg/L	EPA200.8
CBE		++ All Analytes for this Test Code are Non Detect (ND) ++				
CCD		++ All Analytes for this Test Code are Non Detect (ND) ++				
CCR		++ All Analytes for this Test Code are Non Detect (ND) ++				
CCU	7440-50-8	COPPER (RECOVERABLE)	0.01	0.05	mg/L	EPA200.8
CFE	7439-89-6	IRON	2.39	0.01	mg/L	EPA200.8
CHG		++ All Analytes for this Test Code are Non Detect (ND) ++				
CMN	7439-96-5	MANGANESE	0.24	0.01	mg/L	EPA200.8



Site Code : PARSONS Site Name: Parsons Chemical (cont.)

Location: 12916 GEORGIA AVE 48837 Occupant: SHEPARD County: Eaton (cont.)

<u>Test</u>	<u>CasNo</u>	<u>Analyte</u>	<u>Result</u>	<u>Detect</u>	<u>Units</u>	<u>Method</u>
<u>LC2003042353 Collect Date: 08/20/2003 Arrival Date: 08/21/2003 (cont.)</u>						
CNI	7440-02-0	NICKEL	0.01	0.01	mg/L	EPA200.8
CPB	7439-92-1	LEAD (TOTAL)	0.001	0.001	mg/L	EPA200.8
CSB ++ All Analytes for this Test Code are Non Detect (ND) ++						
CSE	7782-49-2	SELENIUM (TOTAL)	0.001	0.001	mg/L	EPA200.8
CTL	++ All Analytes for this Test Code are Non Detect (ND) ++					
CU	7440-61-1	URANIUM (TOTAL)	0.0004	0.0003	mg/L	EPA200.8
CZN	7440-66-6	ZINC	0.32	0.01	mg/L	EPA200.8

Location: 12919 GEORGIA AVE 48837 Occupant: SHEPARD County: Eaton

<u>Test</u>	<u>CasNo</u>	<u>Analyte</u>	<u>Result</u>	<u>Detect</u>	<u>Units</u>	<u>Method</u>
++ No Samples are Linked To This Sample Site ++						

Location: 12945 GEORGIA AVE 48837 Occupant: THOMPKINS County: Eaton

<u>Test</u>	<u>CasNo</u>	<u>Analyte</u>	<u>Result</u>	<u>Detect</u>	<u>Units</u>	<u>Method</u>
<u>LC2003042332 Collect Date: 08/20/2003 Arrival Date: 08/21/2003</u>						
Corrected owner name and collection address - 9/8/03 KB						
CAS	7440-38-2	ARSENIC (TOTAL)	0.002	0.002	mg/L	EPA200.8
CBA	++ All Analytes for this Test Code are Non Detect (ND) ++					
CBE	++ All Analytes for this Test Code are Non Detect (ND) ++					
CCD	++ All Analytes for this Test Code are Non Detect (ND) ++					
CCR	++ All Analytes for this Test Code are Non Detect (ND) ++					
CCU	7440-50-8	COPPER (RECOVERABLE)	0.01	0.05	mg/L	EPA200.8
CFE	7439-89-6	IRON	0.06	0.01	mg/L	EPA200.8
CHG	++ All Analytes for this Test Code are Non Detect (ND) ++					
CMN	++ All Analytes for this Test Code are Non Detect (ND) ++					
CNI	++ All Analytes for this Test Code are Non Detect (ND) ++					
CPB	7439-92-1	LEAD (TOTAL)	0.004	0.001	mg/L	EPA200.8
CSB	++ All Analytes for this Test Code are Non Detect (ND) ++					
CSE	++ All Analytes for this Test Code are Non Detect (ND) ++					
CTL	++ All Analytes for this Test Code are Non Detect (ND) ++					
CU	7440-61-1	URANIUM (TOTAL)	0.0004	0.0003	mg/L	EPA200.8
CZN	7440-66-6	ZINC	0.29	0.01	mg/L	EPA200.8

LC2003042357 Collect Date: 08/20/2003 Arrival Date: 08/21/2003

Corrected owner and collection address per Cora Rubitschun - 9/23/03 KB

CXPT ++ All Analytes for this Test Code are Non Detect (ND) ++

Location: 12955 GEORGIA AVE 48837 Occupant: DONALDSON County: Eaton

<u>Test</u>	<u>CasNo</u>	<u>Analyte</u>	<u>Result</u>	<u>Detect</u>	<u>Units</u>	<u>Method</u>
<u>LC2003042351 Collect Date: 08/20/2003 Arrival Date: 08/21/2003</u>						
Corrected owner name and collection address - 9/8/03 KB						
CCON	COND-00-C	CONDUCTIVITY (MANUAL)	800	1	umhos	EPA120.1
CPH	PH-00-C	PH (HYDROGEN ION)	7.5	2.0		EPA150.1
CRA	16984-48-8	FLUORIDE (AUTOMATED)	0.3	0.1	mg/L	SM4500NO3H,SM3



Department of Environmental Quality
Drinking Water and Radiological Protection Division
Ground Water Supply Section
Contamination Investigation Unit

Selection criteria for this report is as follows:

Site code= 'PARSONS '

• Non Detect (ND) Results Are Suppressed

Site Code : PARSONS **Site Name:** Parsons Chemical (cont.)

Location: 12955 GEORGIA AVE 48837 **Occupant:** DONALDSON **County:** Eaton (cont.)

<u>Test</u>	<u>CasNo</u>	<u>Analyte</u>	<u>Result</u>	<u>Detect</u>	<u>Units</u>	<u>Method</u>
LC2003042351	Collect Date:	08/20/2003	Arrival Date:	08/21/2003	(cont.)	
CRA	7439-89-6	IRON (AUTOMATED)	0.7	0.1	mg/L	SM4500NO3H,SM3
CRA	HARD-00-C	HARDNESS AS CaCO ₃	24	10	mg/L	SM4500NO3H,SM3
CRA	7440-23-5	SODIUM (AUTOMATED)	211	5	mg/L	SM4500NO3H,SM3
CRA	7647-14-5	CHLORIDE (AUTOMATED)	42	4	mg/L	SM4500NO3H,SM3
CRA	14797-65-0	NITRITE AS N (AUTOMATED)	0.01	0.05	mg/L	SM4500NO3H,SM3
CRA	14797-55-8	NITRATE AS N (AUTOMATED)	0.3	0.4	mg/L	SM4500NO3H,SM3
CRA	14808-79-8	SULFATE (AUTOMATED)	71	5	mg/L	SM4500NO3H,SM3

Location: 3455 JEFFERSON HWY 48837 Occupant: QUINN County: Eaton

<u>Test</u>	<u>CasNo</u>	<u>Analyte</u>	<u>Result</u>	<u>Detect</u>	<u>Units</u>	<u>Method</u>
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Location: 3540 JEFFERSON HWY 48837 **Occupant:** JEFFERSON LIMITED PARTNERSHIP **County:** Eaton

Location: 3621 JEFFERSON HWY 48837 **Occupant:** SUNDANCE RENTAL & LEASING COMPANY **County:** Eaton

++ No Samples are Linked To This Sample Site. ++

Location: 2620 JEFFERSON HWY 48827 Occupant: LUC/BILL County: East

on: 3630 JEFFERSON HWY 48837 Occupant: LUGIBIHL County: Eaton

Journal of Polymer Science: Part A: Polymer Chemistry, Vol. 40, 2002, pp. 5005-5011

on: 3642 JEFFERSON HWY 48837 Occupant: GOBER & BERNADIN County: Eaton

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on: 3664 JEFFERSON HWY 48837 Occupant: WHEELER County: Eaton

on: 3665 JEFFERSON HWY 48837 Occupant: PADILLA County: Eaton

on: 3668 JEFFERSON HWY 48837 Occupant: AYOTTE County: Eaton

Site Code : PARSONS Site Name: Parsons Chemical (cont.)

Location: 3708 JEFFERSON HWY 48837 Occupant: BAKER County: Eaton

<u>Test</u>	<u>CasNo</u>	<u>Analyte</u>	<u>Result</u>	<u>Detect</u>	<u>Units</u>	<u>Method</u>
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++ No Samples are Linked To This Sample Site ++

Location: 3713 JEFFERSON HWY 48837 Occupant: MACKENZIE County: Eaton

<u>Test</u>	<u>CasNo</u>	<u>Analyte</u>	<u>Result</u>	<u>Detect</u>	<u>Units</u>	<u>Method</u>
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++ No Samples are Linked To This Sample Site ++

Location: 3720 JEFFERSON HWY 48837 Occupant: JARVIS County: Eaton

<u>Test</u>	<u>CasNo</u>	<u>Analyte</u>	<u>Result</u>	<u>Detect</u>	<u>Units</u>	<u>Method</u>
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++ No Samples are Linked To This Sample Site ++

Location: 3735 JEFFERSON HWY 48837 Occupant: CHILDS County: Eaton

<u>Test</u>	<u>CasNo</u>	<u>Analyte</u>	<u>Result</u>	<u>Detect</u>	<u>Units</u>	<u>Method</u>
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++ No Samples are Linked To This Sample Site ++

Location: 3754 JEFFERSON HWY 48837 Occupant: BABBIT County: Eaton

<u>Test</u>	<u>CasNo</u>	<u>Analyte</u>	<u>Result</u>	<u>Detect</u>	<u>Units</u>	<u>Method</u>
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++ No Samples are Linked To This Sample Site ++

Location: 3759 JEFFERSON HWY 48837 Occupant: OUDMAN County: Eaton

<u>Test</u>	<u>CasNo</u>	<u>Analyte</u>	<u>Result</u>	<u>Detect</u>	<u>Units</u>	<u>Method</u>
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++ No Samples are Linked To This Sample Site ++

Location: 3790 JEFFERSON HWY 48837 Occupant: OBRIAN County: Eaton

<u>Test</u>	<u>CasNo</u>	<u>Analyte</u>	<u>Result</u>	<u>Detect</u>	<u>Units</u>	<u>Method</u>
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++ No Samples are Linked To This Sample Site ++

Location: LAWSON RD Occupant: BRIGHTON County: Eaton

<u>Test</u>	<u>CasNo</u>	<u>Analyte</u>	<u>Result</u>	<u>Detect</u>	<u>Units</u>	<u>Method</u>
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LC1984J02270 Collect Date: 10/17/1984 Arrival Date: 10/18/1984

This record rebuilt from historical MDPH/LSB archive files. Detect limits estimated based upon test date for all records. Comment code 00 listed in the MDPH/LSB archive source table.

CAS	7440-38-2	ARSENIC (TOTAL)	less than .005	0.005	mg/L
CHG	7439-97-6	MERCURY	less than .0003	0.003	mg/L

LC1984J02271 Collect Date: 10/17/1984 Arrival Date: 10/18/1984

This record rebuilt from historical MDPH/LSB archive files. Detect limits estimated based upon test date for all records. Comment code 00 listed in the MDPH/LSB archive source table.

CXPI ++ All Analytes for this Test Code are Non Detect (ND) ++

LC1984J02295 Collect Date: 10/17/1984 Arrival Date: 10/18/1984

This record rebuilt from historical MDPH/LSB archive files. Detect limits estimated based upon test date for all records. Comment code 00 listed in the MDPH/LSB archive source table.

CXCP ++ All Analytes for this Test Code are Non Detect (ND) ++

CXCX ++ All Analytes for this Test Code are Non Detect (ND) ++

Site Code : PARSONS Site Name: Parsons Chemical (cont.)

Location: 13098 LAWSON RD **Occupant:** HARGIE OIL CO **County:** Eaton

<u>Test</u>	<u>CasNo</u>	<u>Analyte</u>	<u>Result</u>	<u>Detect</u>	<u>Units</u>	<u>Method</u>
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++ No Samples are Linked To This Sample Site ++

Location: 13101 LAWSON RD 48837 **Occupant:** THOMAS **County:** Eaton

<u>Test</u>	<u>CasNo</u>	<u>Analyte</u>	<u>Result</u>	<u>Detect</u>	<u>Units</u>	<u>Method</u>
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++ No Samples are Linked To This Sample Site ++

Location: 13103 LAWSON RD **Occupant:** MILLER **County:** Eaton

<u>Test</u>	<u>CasNo</u>	<u>Analyte</u>	<u>Result</u>	<u>Detect</u>	<u>Units</u>	<u>Method</u>
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LC2003044856 Collect Date: 09/03/2003 Arrival Date: 09/04/2003

CCON	COND-00-C	CONDUCTIVITY (MANUAL)	1090	1	umhos	EPA120.1
CPH	PH-00-C	PH (HYDROGEN ION)	7.3	2.0		EPA150.1
CRA	16984-48-8	FLUORIDE (AUTOMATED)	0.2	0.1	mg/L	SM4500NO3H,SM3
CRA	7439-89-6	IRON (AUTOMATED)	3.4	0.1	mg/L	SM4500NO3H,SM3
CRA	HARD-00-C	HARDNESS AS CaCO ₃	784	10	mg/L	SM4500NO3H,SM3
CRA	7440-23-5	SODIUM (AUTOMATED)	38	5	mg/L	SM4500NO3H,SM3
CRA	7647-14-5	CHLORIDE (AUTOMATED)	80	4	mg/L	SM4500NO3H,SM3
CRA	14797-65-0	NITRITE AS N (AUTOMATED)	0.03	0.05	mg/L	SM4500NO3H,SM3
CRA	14797-55-8	NITRATE AS N (AUTOMATED)	0.2	0.4	mg/L	SM4500NO3H,SM3
CRA	14808-79-8	SULFATE (AUTOMATED)	83	5	mg/L	SM4500NO3H,SM3

LC2003044858 Collect Date: 09/03/2003 Arrival Date: 09/04/2003

CAS	7440-38-2	ARSENIC (TOTAL)	0.002	0.002	mg/L	EPA200.8
CBA	7440-39-3	BARIUM	0.10	0.01	mg/L	EPA200.8
CBE	++ All Analytes for this Test Code are Non Detect (ND) ++					
CCD	7440-43-9	CADMIUM (TOTAL)	0.0001	0.0003	mg/L	EPA200.8
CCR	++ All Analytes for this Test Code are Non Detect (ND) ++					
CCU	++ All Analytes for this Test Code are Non Detect (ND) ++					
CFE	7439-89-6	IRON	1.38	0.01	mg/L	EPA200.8
CHG	++ All Analytes for this Test Code are Non Detect (ND) ++					
CMN	7439-96-5	MANGANESE	0.16	0.01	mg/L	EPA200.8
CNI	7440-02-0	NICKEL	0.01	0.01	mg/L	EPA200.8
CPB	++ All Analytes for this Test Code are Non Detect (ND) ++					
CSB	++ All Analytes for this Test Code are Non Detect (ND) ++					
CSE	7782-49-2	SELENIUM (TOTAL)	0.001	0.001	mg/L	EPA200.8
CTL	++ All Analytes for this Test Code are Non Detect (ND) ++					
CU	7440-61-1	URANIUM (TOTAL)	0.0013	0.0003	mg/L	EPA200.8
CZN	7440-66-6	ZINC	0.01	0.01	mg/L	EPA200.8

LC2003044863 Collect Date: 09/03/2003 Arrival Date: 09/04/2003

CXPT ++ All Analytes for this Test Code are Non Detect (ND) ++

Location: 13150 LAWSON RD 48837 **Occupant:** MILLER **County:** Eaton

<u>Test</u>	<u>CasNo</u>	<u>Analyte</u>	<u>Result</u>	<u>Detect</u>	<u>Units</u>	<u>Method</u>
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++ No Samples are Linked To This Sample Site ++

Site Code : PARSONS Site Name: Parsons Chemical (cont.)

Location: 13209 LAWSON RD 48837 Occupant: REEDER County: Eaton

<u>Test</u>	<u>CasNo</u>	<u>Analyte</u>	<u>Result</u>	<u>Detect</u>	<u>Units</u>	<u>Method</u>
<u>LC2003044855 Collect Date: 09/03/2003 Arrival Date: 09/04/2003</u>						
CCON	COND-00-C	CONDUCTIVITY (MANUAL)	550	1	umhos	EPA120'1
CPH	PH-00-C	PH (HYDROGEN ION)	7.4	2.0		EPA150.1
CRA	16984-48-8	FLUORIDE (AUTOMATED)	0.5	0.1	mg/L	SM4500NO3H,SM3
CRA	7439-89-6	IRON (AUTOMATED)	0.5	0.1	mg/L	SM4500NO3H,SM3
CRA	HARD-00-C	HARDNESS AS CaCO ₃	345	10	mg/L	SM4500NO3H,SM3
CRA	7440-23-5	SODIUM (AUTOMATED)	16	5	mg/L	SM4500NO3H,SM3
CRA	7647-14-5	CHLORIDE (AUTOMATED)	4	4	mg/L	SM4500NO3H,SM3
CRA	14797-65-0	NITRITE AS N (AUTOMATED)	0.01	0.05	mg/L	SM4500NO3H,SM3
CRA	14797-55-8	NITRATE AS N (AUTOMATED)	0.2	0.4	mg/L	SM4500NO3H,SM3
CRA	14808-79-8	SULFATE (AUTOMÁTED)	10	5	mg/L	SM4500NO3H,SM3
<u>LC2003044860 Collect Date: 09/03/2003 Arrival Date: 09/04/2003</u>						
CAS	++ All Analytes for this Test Code are Non Detect (ND) ++					
CBA	7440-39-3	BARIUM	0.07	0.01	mg/L	EPA200.8
CBE	++ All Analytes for this Test Code are Non Detect (ND) ++					
CCD	++ All Analytes for this Test Code are Non Detect (ND) ++					
CCR	++ All Analytes for this Test Code are Non Detect (ND) ++					
CCU	7440-50-8	COPPER (RECOVERABLE)	0.01	0.05	mg/L	EPA200.8
CFE	7439-89-6	IRON	0.52	0.01	mg/L	EPA200.8
CHG	++ All Analytes for this Test Code are Non Detect (ND) ++					
CMN	7439-96-5	MANGANESE	0.01	0.01	mg/L	EPA200.8
CNI	++ All Analytes for this Test Code are Non Detect (ND) ++					
CPB	++ All Analytes for this Test Code are Non Detect (ND) ++					
CSB	++ All Analytes for this Test Code are Non Detect (ND) ++					
CSE	++ All Analytes for this Test Code are Non Detect (ND) ++					
CTL	++ All Analytes for this Test Code are Non Detect (ND) ++					
CU	++ All Analytes for this Test Code are Non Detect (ND) ++					
CZN	7440-66-6	ZINC	0.05	0.01	mg/L	EPA200.8
<u>LC2003044861 Collect Date: 09/03/2003 Arrival Date: 09/04/2003</u>						
CXPT	++ All Analytes for this Test Code are Non Detect (ND) ++					

Location: 12816 ONEIDA ST 48837 Occupant: KELLER County: Eaton

<u>Test</u>	<u>CasNo</u>	<u>Analyte</u>	<u>Result</u>	<u>Detect</u>	<u>Units</u>	<u>Method</u>
<u>LC2003042927 Collect Date: 08/25/2003 Arrival Date: 08/26/2003</u>						
CXPT ++ All Analytes for this Test Code are Non Detect (ND) ++						
<u>LC2003042948 Collect Date: 08/20/2003 Arrival Date: 08/26/2003</u>						
CCON	COND-00-C	CONDUCTIVITY (MANUAL)	560	1	umhos	EPA120.1
CPH	PH-00-C	PH (HYDROGEN ION)	7.7	2.0		EPA150.1
CRA	16984-48-8	FLUORIDE (AUTOMATED)	0.3	0.1	mg/L	SM4500NO3H,SM3
CRA	7439-89-6	IRON (AUTOMATED)	0.3	0.1	mg/L	SM4500NO3H,SM3
CRA	HARD-00-C	HARDNESS AS CaCO ₃	335	10	mg/L	SM4500NO3H,SM3
CRA	7440-23-5	SODIUM (AUTOMATED)	8	5	mg/L	SM4500NO3H,SM3
CRA	7647-14-5	CHLORIDE (AUTOMATED)	10	4	mg/L	SM4500NO3H,SM3
CRA	14797-65-0	NITRITE AS N (AUTOMATED)	0.03	0.05	mg/L	SM4500NO3H,SM3

Site Code : PARSONS Site Name: Parsons Chemical (cont.)

Location: 12816 ONEIDA ST 48837 Occupant: KELLER County: Eaton (cont.)

<u>Test</u>	<u>CasNo</u>	<u>Analyte</u>	<u>Result</u>	<u>Detect</u>	<u>Units</u>	<u>Method</u>
<u>LC2003042948</u>		Collect Date: 08/20/2003 Arrival Date: 08/26/2003 (cont.)				
CRA	14797-55-8	NITRATE AS N (AUTOMATED)	0.4	0.4	mg/L	SM4500NO3H,SM3
CRA	14808-79-8	SULFATE (AUTOMATED)	35	5	mg/L	SM4500NO3H,SM3

Location: 12878 ONEIDA ST 48837 Occupant: SHEPARD County: Eaton

<u>Test</u>	<u>CasNo</u>	<u>Analyte</u>	<u>Result</u>	<u>Detect</u>	<u>Units</u>	<u>Method</u>
<u>LC2003042336</u>		Collect Date: 08/20/2003 Arrival Date: 08/21/2003				
CAS	7440-38-2	ARSENIC (TOTAL)	.0001	0.002	mg/L	EPA200.8
CBA	7440-39-3	BARIUM	0.10	0.01	mg/L	EPA200.8
CBE	++ All Analytes for this Test Code are Non Detect (ND) ++					
CCD	++ All Analytes for this Test Code are Non Detect (ND) ++					
CCR	++ All Analytes for this Test Code are Non Detect (ND) ++					
CCU	++ All Analytes for this Test Code are Non Detect (ND) ++					
CFE	7439-89-6	IRON	0.93	0.01	mg/L	EPA200.8
CHG	++ All Analytes for this Test Code are Non Detect (ND) ++					
CMN	7439-96-5	MANGANESE	0.03	0.01	mg/L	EPA200.8
CNI	++ All Analytes for this Test Code are Non Detect (ND) ++					
CPB	++ All Analytes for this Test Code are Non Detect (ND) ++					
CSB	7440-36-0	ANTIMONY	0.0001	0.0006	mg/L	EPA200.8
CSE	++ All Analytes for this Test Code are Non Detect (ND) ++					
CTL	++ All Analytes for this Test Code are Non Detect (ND) ++					
CU	7440-61-1	URANIUM (TOTAL)	0.0002	0.0003	mg/L	EPA200.8
CZN	7440-66-6	ZINC	0.01	0.01	mg/L	EPA200.8

LC2003042350 Collect Date: 08/20/2003 Arrival Date: 08/21/2003

CCON	COND-00-C	CONDUCTIVITY (MANUAL)	630	1	umhos	EPA120.1
CPH	PH-00-C	PH (HYDROGEN ION)	7.4	2.0		EPA150.1
CRA	16984-48-8	FLUORIDE (AUTOMATED)	0.4	0.1	mg/L	SM4500NO3H,SM3
CRA	7439-89-6	IRON (AUTOMATED)	1.1	0.1	mg/L	SM4500NO3H,SM3
CRA	HARD-00-C	HARDNESS AS CaCO ₃	383	10	mg/L	SM4500NO3H,SM3
CRA	7440-23-5	SODIUM (AUTOMATED)	6	5	mg/L	SM4500NO3H,SM3
CRA	7647-14-5	CHLORIDE (AUTOMATED)	10	4	mg/L	SM4500NO3H,SM3
CRA	14797-65-0	NITRITE AS N (AUTOMATED)	0.02	0.05	mg/L	SM4500NO3H,SM3
CRA	14797-55-8	NITRATE AS N (AUTOMATED)	0.3	0.4	mg/L	SM4500NO3H,SM3
CRA	14808-79-8	SULFATE (AUTOMATED)	34	5	mg/L	SM4500NO3H,SM3

LC2003042359 Collect Date: 08/20/2003 Arrival Date: 08/21/2003

CXPT ++ All Analytes for this Test Code are Non Detect (ND) ++

Location: 12896 ONEIDA ST 48837 Occupant: SHEPARD County: Eaton

<u>Test</u>	<u>CasNo</u>	<u>Analyte</u>	<u>Result</u>	<u>Detect</u>	<u>Units</u>	<u>Method</u>
<u>LC2003042348</u>		Collect Date: 08/20/2003 Arrival Date: 08/21/2003				
CCON	COND-00-C	CONDUCTIVITY (MANUAL)	640	1	umhos	EPA120.1
CPH	PH-00-C	PH (HYDROGEN ION)	7.7	2.0		EPA150.1
CRA	16984-48-8	FLUORIDE (AUTOMATED)	0.4	0.1	mg/L	SM4500NO3H,SM3
CRA	7439-89-6	IRON (AUTOMATED)	0.5	0.1	mg/L	SM4500NO3H,SM3

Site Code : PARSONS Site Name: Parsons Chemical (cont.)

Location: 12896 ONEIDA ST 48837 Occupant: SHEPARD County: Eaton (cont.)

<u>Test</u>	<u>CasNo</u>	<u>Analyte</u>	<u>Result</u>	<u>Detect</u>	<u>Units</u>	<u>Method</u>
<u>LC2003042348 Collect Date: 08/20/2003 Arrival Date: 08/21/2003 (cont.)</u>						
CRA	HARD-00-C	HARDNESS AS CaCO ₃	401	10	mg/L	SM4500NO3H,SM3
CRA	7440-23-5	SODIUM (AUTOMATED)	6	5	mg/L	SM4500NO3H,SM3
CRA	7647-14-5	CHLORIDE (AUTOMATED)	5	4	mg/L	SM4500NO3H,SM3
CRA	14797-65-0	NITRITE AS N (AUTOMATED)	0.02	0.05	mg/L	SM4500NO3H,SM3
CRA	14797-55-8	NITRATE AS N (AUTOMATED)	0.3	0.4	mg/L	SM4500NO3H,SM3
CRA	14808-79-8	SULFATE (AUTOMATED)	53	5	mg/L	SM4500NO3H,SM3
<u>LC2003042355 Collect Date: 08/20/2003 Arrival Date: 08/21/2003</u>						
CAS	++ All Analytes for this Test Code are Non Detect (ND) ++					
CBA	7440-39-3	BARIUM	0.10	0.01	mg/L	EPA200.8
CBE	++ All Analytes for this Test Code are Non Detect (ND) ++					
CCD	++ All Analytes for this Test Code are Non Detect (ND) ++					
CCR	++ All Analytes for this Test Code are Non Detect (ND) ++					
CCU	++ All Analytes for this Test Code are Non Detect (ND) ++					
CFE	7439-89-6	IRON	0.37	0.01	mg/L	EPA200.8
CHG	++ All Analytes for this Test Code are Non Detect (ND) ++					
CMN	7439-96-5	MANGANESE	0.03	0.01	mg/L	EPA200.8
CNI	++ All Analytes for this Test Code are Non Detect (ND) ++					
CPB	++ All Analytes for this Test Code are Non Detect (ND) ++					
CSB	++ All Analytes for this Test Code are Non Detect (ND) ++					
CSE	++ All Analytes for this Test Code are Non Detect (ND) ++					
CTL	++ All Analytes for this Test Code are Non Detect (ND) ++					
CU	++ All Analytes for this Test Code are Non Detect (ND) ++					
CZN	7440-66-6	ZINC	0.61	0.01	mg/L	EPA200.8
<u>LC2003042360 Collect Date: 08/20/2003 Arrival Date: 08/21/2003</u>						
CXPT ++ All Analytes for this Test Code are Non Detect (ND) ++						

Location: 12906 ONEIDA ST 48837 Occupant: DINGWELL County: Eaton

<u>Test</u>	<u>CasNo</u>	<u>Analyte</u>	<u>Result</u>	<u>Detect</u>	<u>Units</u>	<u>Method</u>
<u>LC2003042944 Collect Date: 09/25/2003 Arrival Date: 08/26/2003</u>						
CCON	COND-00-C	CONDUCTIVITY (MANUAL)	660	1	umhos	EPA120.1
CPH	PH-00-C	PH (HYDROGEN ION)	7.3	2.0		EPA150.1
CRA	16984-48-8	FLUORIDE (AUTOMATED)	0.4	0.1	mg/L	SM4500NO3H,SM3
CRA	7439-89-6	IRON (AUTOMATED)	0.6	0.1	mg/L	SM4500NO3H,SM3
CRA	HARD-00-C	HARDNESS AS CaCO ₃	35	10	mg/L	SM4500NO3H,SM3
CRA	7647-14-5	CHLORIDE (AUTOMATED)	21	4	mg/L	SM4500NO3H,SM3
CRA	14797-65-0	NITRITE AS N (AUTOMATED)	0.03	0.05	mg/L	SM4500NO3H,SM3
CRA	14797-55-8	NITRATE AS N (AUTOMATED)	0.3	0.4	mg/L	SM4500NO3H,SM3
CRA	14808-79-8	SULFATE (AUTOMATED)	6	5	mg/L	SM4500NO3H,SM3
<u>LC2003042925 Collect Date: 08/25/2003 Arrival Date: 08/26/2003</u>						
CXPT ++ All Analytes for this Test Code are Non Detect (ND) ++						
<u>LC2003042975 Collect Date: 08/25/2003 Arrival Date: 08/26/2003</u>						
CAS	7440-38-2	ARSENIC (TOTAL)	0.002	0.002	mg/L	EPA200.8
CBA	7440-39-3	BARIUM	0.12	0.01	mg/L	EPA200.8

Site Code : PARSONS Site Name: Parsons Chemical (cont.)

Location: 12906 ONEIDA ST 48837 Occupant: DINGWELL County: Eaton (cont.)

<u>Test</u>	<u>CasNo</u>	<u>Analyte</u>	<u>Result</u>	<u>Detect</u>	<u>Units</u>	<u>Method</u>
<u>LC2003042975</u>		Collect Date: 08/25/2003 Arrival Date: 08/26/2003 (cont.)				
CBE		++ All Analytes for this Test Code are Non Detect (ND) ++				
CCD		++ All Analytes for this Test Code are Non Detect (ND) ++				
CCR		++ All Analytes for this Test Code are Non Detect (ND) ++				
CCU	7440-50-8	COPPER (RECOVERABLE)	0.02	0.05	mg/L	EPA200.8
CFE	7439-89-6	IRON	0.97	0.01	mg/L	EPA200.8
CHG		++ All Analytes for this Test Code are Non Detect (ND) ++				
CMN	7439-96-5	MANGANESE	0.04	0.01	mg/L	EPA200.8
CNI		++ All Analytes for this Test Code are Non Detect (ND) ++				
CPB	7439-92-1	LEAD (TOTAL)	0.007	0.001	mg/L	EPA200.8
CSB		++ All Analytes for this Test Code are Non Detect (ND) ++				
CSE		++ All Analytes for this Test Code are Non Detect (ND) ++				
CTL		++ All Analytes for this Test Code are Non Detect (ND) ++				
CU	7440-61-1	URANIUM (TOTAL)	0.0003	0.0003	mg/L	EPA200.8
CZN	7440-66-6	ZINC	0.07	0.01	mg/L	EPA200.8

Location: 12906 ONEIDA ST Occupant: MASEKO County: Eaton

<u>Test</u>	<u>CasNo</u>	<u>Analyte</u>	<u>Result</u>	<u>Detect</u>	<u>Units</u>	<u>Method</u>
<u>LC1984K00319</u>		Collect Date: 10/31/1984 Arrival Date: 11/02/1984				
This record rebuilt from historical MDPH/LSB archive files. Detect limits estimated based upon test date for all records. Comment code 00 listed in the MDPH/LSB archive source table.						
CAG	7440-22-4	SILVER	less than .001	0.001	mg/L	
CAS	7440-38-2	ARSENIC (TOTAL)	less than .005	0.005	mg/L	
CBA	7440-39-3	BARIUM	0.10	0.10	mg/L	
CCD	7440-43-9	CADMIUM (TOTAL)	less than .0005	0.0005	mg/L	
CCR	7440-47-3	CHROMIUM (TOTAL)	less than .003	0.003	mg/L	
CCU	7440-50-8	COPPER (RECOVERABLE)	less than .03	0.05	mg/L	
CFE	7439-89-6	IRON	2.73	0.05	mg/L	
CHG	7439-97-6	MERCURY	less than .0003	0.003	mg/L	
CMN	7439-96-5	MANGANESE	0.07	0.04	mg/L	
CPB	7439-92-1	LEAD (TOTAL)	less than .003	0.003	mg/L	
CSE	7782-49-2	SELENIUM (TOTAL)	less than .004	0.004	mg/L	
CZN	7440-66-6	ZINC	0.40	0.02	mg/L	

LC1984K00326 Collect Date: 10/31/1984 Arrival Date: 11/02/1984

This record rebuilt from historical MDPH/LSB archive files. Detect limits estimated based upon test date for all records. Comment code 00 listed in the MDPH/LSB archive source table.

CXCP ++ All Analytes for this Test Code are Non Detect (ND) ++

CXCX ++ All Analytes for this Test Code are Non Detect (ND) ++

LC1984K00331 Collect Date: 10/31/1984 Arrival Date: 11/02/1984

This record rebuilt from historical MDPH/LSB archive files. Detect limits estimated based upon test date for all records. Comment code 00 listed in the MDPH/LSB archive source table.

CXP! ++ All Analytes for this Test Code are Non Detect (ND) ++

Site Code : PARSONS Site Name: Parsons Chemical (cont.)

Location: 12770 PARTLOW AVE 48837 Occupant: RUECKERT County: Eaton

<u>Test</u>	<u>CasNo</u>	<u>Analyte</u>	<u>Result</u>	<u>Detect</u>	<u>Units</u>	<u>Method</u>
<u>LC2003042912</u> Collect Date: 08/25/2003 Arrival Date: 08/26/2003						
CXPT ++ All Analytes for this Test Code are Non Detect (ND) ++						
<u>LC2003042931</u> Collect Date: 08/25/2003 Arrival Date: 08/26/2003						
CCON	COND-00-C	CONDUCTIVITY (MANUAL)	780	1	umhos	EPA120.1
CPH	PH-00-C	PH (HYDROGEN ION)	7.6	2.0		EPA150.1
CRA	16984-48-8	FLUORIDE (AUTOMATED)	0.2	0.1	mg/L	SM4500NO3H.SM3
CRA	7439-89-6	IRON (AUTOMATED)	0.5	0.1	mg/L	SM4500NO3H.SM3
CRA	HARD-00-C	HARDNESS AS CaCO ₃	443	10	mg/L	SM4500NO3H.SM3
CRA	7440-23-5	SODIUM (AUTOMATED)	21	5	mg/L	SM4500NO3H.SM3
CRA	7647-14-5	CHLORIDE (AUTOMATED)	49	4	mg/L	SM4500NO3H.SM3
CRA	14797-65-0	NITRITE AS N (AUTOMATED)	0.03	0.05	mg/L	SM4500NO3H.SM3
CRA	14797-55-8	NITRATE AS N (AUTOMATED)	0.3	0.4	mg/L	SM4500NO3H.SM3
CRA	14808-79-8	SULFATE (AUTOMATED)	54	5	mg/L	SM4500NO3H.SM3
<u>LC2003042966</u> Collect Date: 08/25/2003 Arrival Date: 08/26/2003						
CAS	7440-38-2	ARSENIC (TOTAL)	0.001	0.002	mg/L	EPA200.8
CBA	7440-39-3	BARIUM	0.07	0.01	mg/L	EPA200.8
CBE	++ All Analytes for this Test Code are Non Detect (ND) ++					
CCD	++ All Analytes for this Test Code are Non Detect (ND) ++					
CCR	++ All Analytes for this Test Code are Non Detect (ND) ++					
CCU	++ All Analytes for this Test Code are Non Detect (ND) ++					
CFE	7439-89-6	IRON	0.45	0.01	mg/L	EPA200.8
CHG	++ All Analytes for this Test Code are Non Detect (ND) ++					
CMN	7439-96-5	MANGANESE	0.12	0.01	mg/L	EPA200.8
CNI	7440-02-0	NICKEL	0.01	0.01	mg/L	EPA200.8
CPB	++ All Analytes for this Test Code are Non Detect (ND) ++					
CSB	++ All Analytes for this Test Code are Non Detect (ND) ++					
CSE	++ All Analytes for this Test Code are Non Detect (ND) ++					
CTL	++ All Analytes for this Test Code are Non Detect (ND) ++					
CU	7440-61-1	URANIUM (TOTAL)	0.0004	0.0003	mg/L	EPA200.8
CZN	++ All Analytes for this Test Code are Non Detect (ND) ++					

Location: 12771 PARTLOW AVE 48837 Occupant: MCCARTHEY County: Eaton

<u>Test</u>	<u>CasNo</u>	<u>Analyte</u>	<u>Result</u>	<u>Detect</u>	<u>Units</u>	<u>Method</u>
<u>LC2003042914</u> Collect Date: 08/25/2003 Arrival Date: 08/26/2003						
CXPT ++ All Analytes for this Test Code are Non Detect (ND) ++						
<u>LC2003042945</u> Collect Date: 08/25/2003 Arrival Date: 08/26/2003						
CCON	COND-00-C	CONDUCTIVITY (MANUAL)	850	1	umhos	EPA120.1
CPH	PH-00-C	PH (HYDROGEN ION)	7.3	2.0		EPA150.1
CRA	16984-48-8	FLUORIDE (AUTOMATED)	0.2	0.1	mg/L	SM4500NO3H.SM3
CRA	7439-89-6	IRON (AUTOMATED)	0.1	0.1	mg/L	SM4500NO3H.SM3
CRA	HARD-00-C	HARDNESS AS CaCO ₃	2	10	mg/L	SM4500NO3H.SM3
CRA	7440-23-5	SODIUM (AUTOMATED)	224	5	mg/L	SM4500NO3H.SM3
CRA	7647-14-5	CHLORIDE (AUTOMATED)	52	4	mg/L	SM4500NO3H.SM3
CRA	14797-65-0	NITRITE AS N (AUTOMATED)	0.03	0.05	mg/L	SM4500NO3H.SM3

Site Code : PARSONS Site Name: Parsons Chemical (cont.)

Location: 12771 PARTLOW AVE 48837 Occupant: MCCARTHEY County: Eaton (cont.)

<u>Test</u>	<u>CasNo</u>	<u>Analyte</u>	<u>Result</u>	<u>Detect</u>	<u>Units</u>	<u>Method</u>
<u>LC2003042945 Collect Date: 08/25/2003 Arrival Date: 08/26/2003 (cont.)</u>						
CRA	14797-55-8	NITRATE AS N (AUTOMATED)	0.2	0.4	mg/L	SM4500NO3H.SM3
CRA	14808-79-8	SULFATE (AUTOMATED)	52	5	mg/L	SM4500NO3H.SM3
<u>LC2003042970 Collect Date: 08/25/2003 Arrival Date: 08/26/2003</u>						
Corrected collection address per Cora Rubitschun - 9/15/03 KB						
CAS	++ All Analytes for this Test Code are Non Detect (ND) ++					
CBA	++ All Analytes for this Test Code are Non Detect (ND) ++					
CBÉ	++ All Analytes for this Test Code are Non Detect (ND) ++					
CCD	++ All Analytes for this Test Code are Non Detect (ND) ++					
CCR	++ All Analytes for this Test Code are Non Detect (ND) ++					
CCU	++ All Analytes for this Test Code are Non Detect (ND) ++					
CFE	7439-89-6	IRON	0.04	0.01	mg/L	EPA200.8
CHG	++ All Analytes for this Test Code are Non Detect (ND) ++					
CMN	++ All Analytes for this Test Code are Non Detect (ND) ++					
CNI	++ All Analytes for this Test Code are Non Detect (ND) ++					
CPB	++ All Analytes for this Test Code are Non Detect (ND) ++					
CSB	7440-36-0	ANTIMONY	0.0001	0.0006	mg/L	EPA200.8
CSE	++ All Analytes for this Test Code are Non Detect (ND) ++					
CTL	++ All Analytes for this Test Code are Non Detect (ND) ++					
CU	7440-61-1	URANIUM (TOTAL)	0.0010	0.0003	mg/L	EPA200.8
CZN	7440-66-6	ZINC	0.01	0.01	mg/L	EPA200.8

Location: 12780 PARTLOW AVE 48837 Occupant: K & K County: Eaton

<u>Test</u>	<u>CasNo</u>	<u>Analyte</u>	<u>Result</u>	<u>Detect</u>	<u>Units</u>	<u>Method</u>
<u>LC2003042919 Collect Date: 08/25/2003 Arrival Date: 08/26/2003</u>						
CXPT	++ All Analytes for this Test Code are Non Detect (ND) ++					
<u>LC2003042943 Collect Date: 08/25/2003 Arrival Date: 08/26/2003</u>						
CCON	COND-00-C	CONDUCTIVITY (MANUAL)	670	1	umhos	EPA120.1
CPH	PH-00-C	PH (HYDROGEN ION)	7.6	2.0		EPA150.1
CRA	16984-48-8	FLUORIDE (AUTOMATED)	0.3	0.1	mg/L	SM4500NO3H.SM3
CRA	7439-89-6	IRON (AUTOMATED)	1.1	0.1	mg/L	SM4500NO3H.SM3
CRA	HARD-00-C	HARDNESS AS CaCO ₃	396	10	mg/L	SM4500NO3H.SM3
CRA	7440-23-5	SODIUM (AUTOMATED)	13	5	mg/L	SM4500NO3H.SM3
CRA	7647-14-5	CHLORIDE (AUTOMATED)	21	4	mg/L	SM4500NO3H.SM3
CRA	14797-65-0	NITRITE AS N (AUTOMATED)	0.03	0.05	mg/L	SM4500NO3H.SM3
CRA	14797-55-8	NITRATE AS N (AUTOMATED)	0.2	0.4	mg/L	SM4500NO3H.SM3
CRA	14808-79-8	SULFATE (AUTOMATED)	37	5	mg/L	SM4500NO3H.SM3
<u>LC2003042958 Collect Date: 08/25/2003 Arrival Date: 08/26/2003</u>						
CAS	++ All Analytes for this Test Code are Non Detect (ND) ++					
CBA	7440-39-3	BARIUM	0.11	0.01	mg/L	EPA200.8
CBE	++ All Analytes for this Test Code are Non Detect (ND) ++					
CCD	++ All Analytes for this Test Code are Non Detect (ND) ++					
CCR	++ All Analytes for this Test Code are Non Detect (ND) ++					
CCU	++ All Analytes for this Test Code are Non Detect (ND) ++					

Site Code : PARSONS Site Name: Parsons Chemical (cont.)

Location: 12780 PARTLOW AVE 48837 Occupant: K & K County: Eaton (cont.)

Test	CasNo	Analyte	Result	Detect	Units	Method
<u>LC2003042958</u> Collect Date: 08/25/2003 Arrival Date: 08/26/2003 (cont.)						
CFE	7439-89-6	IRON	1.27	0.01	mg/L	EPA200.8
CHG	++ All Analytes for this Test Code are Non Detect (ND) ++					
CMN	7439-96-5	MANGANESE	0.08	0.01	mg/L	EPA200.8
CNI	++ All Analytes for this Test Code are Non Detect (ND) ++					
CPB	7439-92-1	LEAD (TOTAL)	0.001	0.001	mg/L	EPA200.8
CSB	++ All Analytes for this Test Code are Non Detect (ND) ++					
CSE	++ All Analytes for this Test Code are Non Detect (ND) ++					
CTL	++ All Analytes for this Test Code are Non Detect (ND) ++					
CU	7440-61-1	URANIUM (TOTAL)	0.0003	0.0003	mg/L	EPA200.8
CZN	7440-66-6	ZINC	0.04	0.01	mg/L	EPA200.8

Location: 12791 PARTLOW AVE 48837 Occupant: LIVINGSTON County: Eaton

Test	CasNo	Analyte	Result	Detect	Units	Method
<u>LC2003042913</u> Collect Date: 08/25/2003 Arrival Date: 08/26/2003						
CXPT	++ All Analytes for this Test Code are Non Detect (ND) ++					
<u>LC2003042952</u> Collect Date: 08/25/2003 Arrival Date: 08/26/2003						
CCON	COND-00-C	CONDUCTIVITY (MANUAL)	830	1	umhos	EPA120.1
CPH	PH-00-C	PH (HYDROGEN ION)	7.3	2.0		EPA150.1
CRA	16984-48-8	FLUORIDE (AUTOMATED)	0.2	0.1	mg/L	SM4500NO3H,SM3
CRA	7439-89-6	IRON (AUTOMATED)	0.1	0.1	mg/L	SM4500NO3H,SM3
CRA	HARD-00-C	HARDNESS AS CaCO ₃	464	10	mg/L	SM4500NO3H,SM3
CRA	7440-23-5	SODIUM (AUTOMATED)	30	5	mg/L	SM4500NO3H,SM3
CRA	7647-14-5	CHLORIDE (AUTOMATED)	66	4	mg/L	SM4500NO3H,SM3
CRA	14797-65-0	NITRITE AS N (AUTOMATED)	0.03	0.05	mg/L	SM4500NO3H,SM3
CRA	14797-55-8	NITRATE AS N (AUTOMATED)	0.5	0.4	mg/L	SM4500NO3H,SM3
CRA	14808-79-8	SULFATE (AUTOMATED)	50	5	mg/L	SM4500NO3H,SM3
<u>LC2003042962</u> Collect Date: 08/25/2003 Arrival Date: 08/26/2003						
CAS	++ All Analytes for this Test Code are Non Detect (ND) ++					
CBA	7440-39-3	BARIUM	0.06	0.01	mg/L	EPA200.8
CBE	++ All Analytes for this Test Code are Non Detect (ND) ++					
CCD	++ All Analytes for this Test Code are Non Detect (ND) ++					
CCR	++ All Analytes for this Test Code are Non Detect (ND) ++					
CCU	7440-50-8	COPPER (RECOVERABLE)	0.47	0.05	mg/L	EPA200.8
CFE	7439-89-6	IRON	0.34	0.01	mg/L	EPA200.8
CHG	++ All Analytes for this Test Code are Non Detect (ND) ++					
CMN	7439-96-5	MANGANESE	0.06	0.01	mg/L	EPA200.8
CNI	7440-02-0	NICKEL	0.01	0.01	mg/L	EPA200.8
CPB	7439-92-1	LEAD (TOTAL)	0.017	0.001	mg/L	EPA200.8
CSB	++ All Analytes for this Test Code are Non Detect (ND) ++					
CSE	++ All Analytes for this Test Code are Non Detect (ND) ++					
CTL	++ All Analytes for this Test Code are Non Detect (ND) ++					
CU	7440-61-1	URANIUM (TOTAL)	0.0008	0.0003	mg/L	EPA200.8
CZN	7440-66-6	ZINC	0.18	0.01	mg/L	EPA200.8

Site Code : PARSONS Site Name: Parsons Chemical (cont.)

Location: 12792 PARTLOW AVE 48837 Occupant: KOENER County: Eaton

<u>Test</u>	<u>CasNo</u>	<u>Analyte</u>	<u>Result</u>	<u>Detect</u>	<u>Units</u>	<u>Method</u>
++ No Samples are Linked To This Sample Site ++						

Location: 12797 PARTLOW AVE 48837 Occupant: GODDARD County: Eaton

<u>Test</u>	<u>CasNo</u>	<u>Analyte</u>	<u>Result</u>	<u>Detect</u>	<u>Units</u>	<u>Method</u>
<u>LC2003042922 Collect Date: 08/25/2003 Arrival Date: 08/26/2003</u>						
CXPT ++ All Analytes for this Test Code are Non Detect (ND) ++						
<u>LC2003042935 Collect Date: 08/25/2003 Arrival Date: 08/26/2003</u>						
CCON	COND-00-C	CONDUCTIVITY (MANUAL)	860	1	umhos	EPA120.1
CPH	PH-00-C	PH (HYDROGEN ION)	7.5	2.0	mg/L	EPA150.1
CRA	16984-48-8	FLUORIDE (AUTOMATED)	0.2	0.1	mg/L	SM4500NO3H,SM3
CRA	7439-89-6	IRON (AUTOMATED)	0.4	0.1	mg/L	SM4500NO3H,SM3
CRA	HARD-00-C	HARDNESS AS CaCO ₃	478	10	mg/L	SM4500NO3H,SM3
CRA	7440-23-5	SODIUM (AUTOMATED)	34	5	mg/L	SM4500NO3H,SM3
CRA	7647-14-5	CHLORIDE (AUTOMATED)	62	4	mg/L	SM4500NO3H,SM3
CRA	14797-65-0	NITRITE AS N (AUTOMATED)	0.02	0.05	mg/L	SM4500NO3H,SM3
CRA	14797-55-8	NITRATE AS N (AUTOMATED)	0.2	0.4	mg/L	SM4500NO3H,SM3
CRA	14808-79-8	SULFATE (AUTOMATED)	49	5	mg/L	SM4500NO3H,SM3
<u>LC2003042979 Collect Date: 08/25/2003 Arrival Date: 08/26/2003</u>						
CAS	7440-38-2	ARSENIC (TOTAL)	0.001	0.002	mg/L	EPA200.8
CBA	7440-39-3	BARIUM	0.09	0.01	mg/L	EPA200.8
CBE	++ All Analytes for this Test Code are Non Detect (ND) ++					
CCD	++ All Analytes for this Test Code are Non Detect (ND) ++					
CCR	++ All Analytes for this Test Code are Non Detect (ND) ++					
CCU	7440-50-8	COPPER (RECOVERABLE)	0.06	0.05	mg/L	EPA200.8
CFE	7439-89-6	IRON	0.19	0.01	mg/L	EPA200.8
CHG	++ All Analytes for this Test Code are Non Detect (ND) ++					
CMN	7439-96-5	MANGANESE	0.07	0.01	mg/L	EPA200.8
CNI	7440-02-0	NICKEL	0.02	0.01	mg/L	EPA200.8
CPB	7439-92-1	LEAD (TOTAL)	0.003	0.001	mg/L	EPA200.8
CSB	++ All Analytes for this Test Code are Non Detect (ND) ++					
CSE	++ All Analytes for this Test Code are Non Detect (ND) ++					
CTL	++ All Analytes for this Test Code are Non Detect (ND) ++					
CU	7440-61-1	URANIUM (TOTAL)	0.0007	0.0003	mg/L	EPA200.8
CZN	7440-66-6	ZINC	0.04	0.01	mg/L	EPA200.8

Location: 12800 PARTLOW AVE 48837 Occupant: KUSTOM County: Eaton

<u>Test</u>	<u>CasNo</u>	<u>Analyte</u>	<u>Result</u>	<u>Detect</u>	<u>Units</u>	<u>Method</u>
<u>LC2003042915 Collect Date: 08/25/2003 Arrival Date: 08/26/2003</u>						
CXPT ++ All Analytes for this Test Code are Non Detect (ND) ++						
<u>LC2003042930 Collect Date: 08/25/2003 Arrival Date: 08/26/2003</u>						
CCON	COND-00-C	CONDUCTIVITY (MANUAL)	800	1	umhos	EPA120.1
CPH	PH-00-C	PH (HYDROGEN ION)	7.4	2.0	mg/L	EPA150.1
CRA	16984-48-8	FLUORIDE (AUTOMATED)	0.2	0.1	mg/L	SM4500NO3H,SM3
CRA	7439-89-6	IRON (AUTOMATED)	0.5	0.1	mg/L	SM4500NO3H,SM3



Department of Environmental Quality
Drinking Water and Radiological Protection Division
Ground Water Supply Section
Contamination Investigation Unit

Selection criteria for this report is as follows:
Site code = 'PARSONS'
*** Non Detect (ND) Results Are Suppressed ***

Site Code : PARSONS Site Name: Parsons Chemical (cont.)

Location: 12800 PARTLOW AVE 48837 Occupant: KUSTOM County: Eaton (cont.)

<u>Test</u>	<u>CasNo</u>	<u>Analyte</u>	<u>Result</u>	<u>Detect</u>	<u>Units</u>	<u>Method</u>
<u>LC2003042930 Collect Date: 08/25/2003 Arrival Date: 08/26/2003 (cont.)</u>						
CRA	HARD-00-C	HARDNESS AS CaCO ₃	449	10	mg/L	SM4500NO3H,SM3
CRA	7440-23-5	SODIUM (AUTOMATED)	25	5	mg/L	SM4500NO3H,SM3
CRA	7647-14-5	CHLORIDE (AUTOMATED)	52	4	mg/L	SM4500NO3H,SM3
CRA	14797-65-0	NITRITE AS N (AUTOMATED)	0.03	0.05	mg/L	SM4500NO3H,SM3
CRA	14797-55-8	NITRATE AS N (AUTOMATED)	0.2	0.4	mg/L	SM4500NO3H,SM3
CRA	14808-79-8	SULFATE (AUTOMATED)	52	5	mg/L	SM4500NO3H,SM3
<u>LC2003042961 Collect Date: 08/25/2003 Arrival Date: 08/26/2003</u>						
CAS	++ All Analytes for this Test Code are Non Detect (ND) ++					
CBA	7440-39-3	BARIUM	0.07	0.01	mg/L	EPA200.8
CBE	++ All Analytes for this Test Code are Non Detect (ND) ++					
CCD	++ All Analytes for this Test Code are Non Detect (ND) ++					
CCR	++ All Analytes for this Test Code are Non Detect (ND) ++					
CCU	7440-50-8	COPPER (RECOVERABLE)	0.01	0.05	mg/L	EPA200.8
CFE	7439-89-6	IRON	0.48	0.01	mg/L	EPA200.8
CHG	++ All Analytes for this Test Code are Non Detect (ND) ++					
CMN	7439-96-5	MANGANESE	0.18	0.01	mg/L	EPA200.8
CNI	++ All Analytes for this Test Code are Non Detect (ND) ++					
CPB	7439-92-1	LEAD (TOTAL)	0.001	0.001	mg/L	EPA200.8
CSB	++ All Analytes for this Test Code are Non Detect (ND) ++					
CSE	++ All Analytes for this Test Code are Non Detect (ND) ++					
CTL	++ All Analytes for this Test Code are Non Detect (ND) ++					
CU	7440-61-1	URANIUM (TOTAL)	0.0007	0.0003	mg/L	EPA200.8
CZN	7440-66-6	ZINC	0.04	0.01	mg/L	EPA200.8

Location: 12823 PARTLOW AVE 48837 Occupant: THOMAS County: Eaton

<u>Test</u>	<u>CasNo</u>	<u>Analyte</u>	<u>Result</u>	<u>Detect</u>	<u>Units</u>	<u>Method</u>			
<u>LC2003042920 Collect Date: 08/25/2003 Arrival Date: 08/26/2003</u>									
CXPT	++ All Analytes for this Test Code are Non Detect (ND) ++								
<u>LC2003042953 Collect Date: 08/25/2003 Arrival Date: 08/26/2003</u>									
CCON	COND-00-C	CONDUCTIVITY (MANUAL)	930	1	umhos	EPA120.1			
CPH	PH-00-C	PH (HYDROGEN ION)	7.5	2.0		EPA150.1			
CRA	16984-48-8	FLUORIDE (AUTOMATED)	0.2	0.1	mg/L	SM4500NO3H,SM3			
CRA	7439-89-6	IRON (AUTOMATED)	0.6	0.1	mg/L	SM4500NO3H,SM3			
CRA	HARD-00-C	HARDNESS AS CaCO ₃	483	10	mg/L	SM4500NO3H,SM3			
CRA	7440-23-5	SODIUM (AUTOMATED)	51	5	mg/L	SM4500NO3H,SM3			
CRA	7647-14-5	CHLORIDE (AUTOMATED)	91	4	mg/L	SM4500NO3H,SM3			
CRA	14797-65-0	NITRITE AS N (AUTOMATED)	0.03	0.05	mg/L	SM4500NO3H,SM3			
CRA	14797-55-8	NITRATE AS N (AUTOMATED)	0.2	0.4	mg/L	SM4500NO3H,SM3			
CRA	14808-79-8	SULFATE (AUTOMATED)	38	5	mg/L	SM4500NO3H,SM3			
<u>LC2003042977 Collect Date: 08/25/2003 Arrival Date: 08/26/2003</u>									
CAS	7440-38-2	ARSENIC (TOTAL)	0.002	0.002	mg/L	EPA200.8			
CBA	7440-39-3	BARIUM	0.11	0.01	mg/L	EPA200.8			
CBE	7440-41-7	BERYLLIUM	0.0001	0.0004	mg/L	EPA200.8			



Site Code : PARSONS Site Name: Parsons Chemical (cont.)

Location: 12823 PARTLOW AVE 48837 Occupant: THOMAS County: Eaton (cont.)

<u>Test</u>	<u>CasNo</u>	<u>Analyte</u>	<u>Result</u>	<u>Detect</u>	<u>Units</u>	<u>Method</u>
<u>LC2003042977</u>		Collect Date: 08/25/2003 Arrival Date: 08/26/2003 (cont.)				
CCD		++ All Analytes for this Test Code are Non Detect (ND) ++				
CCR		++ All Analytes for this Test Code are Non Detect (ND) ++				
CCU		++ All Analytes for this Test Code are Non Detect (ND) ++				
CFE	7439-89-6	IRON	0.62	0.01	mg/L	EPA200.8
CHG		++ All Analytes for this Test Code are Non Detect (ND) ++				
CMN	7439-96-5	MANGANESE	0.08	0.01	mg/L	EPA200.8
CNI		++ All Analytes for this Test Code are Non Detect (ND) ++				
CPB		++ All Analytes for this Test Code are Non Detect (ND) ++				
CSB		++ All Analytes for this Test Code are Non Detect (ND) ++				
CSE		++ All Analytes for this Test Code are Non Detect (ND) ++				
CTL		++ All Analytes for this Test Code are Non Detect (ND) ++				
CU	7440-61-1	URANIUM (TOTAL)	0.0009	0.0003	mg/L	EPA200.8
CZN	7440-66-6	ZINC	0.01	0.01	mg/L	EPA200.8

Location: 12870 PARTLOW AVE 48837 Occupant: KA-CON PROPERTIES, LLP County: Eaton

<u>Test</u>	<u>CasNo</u>	<u>Analyte</u>	<u>Result</u>	<u>Detect</u>	<u>Units</u>	<u>Method</u>
++ No Samples are Linked To This Sample Site ++						

Location: 12875 PARTLOW AVE 48837 Occupant: HILDENBRAND County: Eaton

<u>Test</u>	<u>CasNo</u>	<u>Analyte</u>	<u>Result</u>	<u>Detect</u>	<u>Units</u>	<u>Method</u>
<u>LC2003042928</u>		Collect Date: 08/25/2003 Arrival Date: 08/26/2003				
CXPT		++ All Analytes for this Test Code are Non Detect (ND) ++				
<u>LC2003042947</u>		Collect Date: 08/25/2003 Arrival Date: 08/26/2003				
CCON	COND-00-C	CONDUCTIVITY (MANUAL)	1060	1	umhos	EPA120.1
CPH	PH-00-C	PH (HYDROGEN ION)	7.1	2.0		EPA150.1
CRA	16984-48-8	FLUORIDE (AUTOMATED)	0.2	0.1	mg/L	SM4500NO3H,SM3
CRA	7439-89-6	IRON (AUTOMATED)	0.3	0.1	mg/L	SM4500NO3H,SM3
CRA	HARD-00-C	HARDNESS AS CaCO ₃	518	10	mg/L	SM4500NO3H,SM3
CRA	7440-23-5	SODIUM (AUTOMATED)	55	5	mg/L	SM4500NO3H,SM3
CRA	7647-14-5	CHLORIDE (AUTOMATED)	147	4	mg/L	SM4500NO3H,SM3
CRA	14797-65-0	NITRITE AS N (AUTOMATED)	0.03	0.05	mg/L	SM4500NO3H,SM3
CRA	14797-55-8	NITRATE AS N (AUTOMATED)	0.5	0.4	mg/L	SM4500NO3H,SM3
CRA	14808-79-8	SULFATE (AUTOMATED)	52	5	mg/L	SM4500NO3H,SM3
<u>LC2003042972</u>		Collect Date: 08/25/2003 Arrival Date: 08/26/2003				
CAS	7440-38-2	ARSENIC (TOTAL)	0.001	0.002	mg/L	EPA200.8
CBA	7440-39-3	BARIUM	0.05	0.01	mg/L	EPA200.8
CBE		++ All Analytes for this Test Code are Non Detect (ND) ++				
CCD		++ All Analytes for this Test Code are Non Detect (ND) ++				
CCR		++ All Analytes for this Test Code are Non Detect (ND) ++				
CCU	7440-50-8	COPPER (RECOVERABLE)	0.01	0.05	mg/L	EPA200.8
CFE	7439-89-6	IRON	0.23	0.01	mg/L	EPA200.8
CHG		++ All Analytes for this Test Code are Non Detect (ND) ++				
CMN	7439-96-5	MANGANESE	0.41	0.01	mg/L	EPA200.8

Site Code : PARSONS Site Name: Parsons Chemical (cont.)

Location: 12875 PARTLOW AVE 48837 Occupant: HILDENBRAND County: Eaton (cont.)

<u>Test</u>	<u>CasNo</u>	<u>Analyte</u>	<u>Result</u>	<u>Detect</u>	<u>Units</u>	<u>Method</u>
<u>LC2003042972 Collect Date: 08/25/2003 Arrival Date: 08/26/2003 (cont.)</u>						
CNI	7440-02-0	NICKEL	0.01	0.01	mg/L	EPA200.8
CPB	7439-92-1	LEAD (TOTAL)	0.001	0.001	mg/L	EPA200.8
CSB	++ All Analytes for this Test Code are Non Detect (ND) ++					
CSE	7782-49-2	SELENIUM (TOTAL)	0.001	0.001	mg/L	EPA200.8
CTL	++ All Analytes for this Test Code are Non Detect (ND) ++					
CU	7440-61-1	URANIUM (TOTAL)	0.0052	0.0003	mg/L	EPA200.8
CZN	7440-66-6	ZINC	0.01	0.01	mg/L	EPA200.8

Location: 12903 PARTLOW AVE 48837 Occupant: DUKES County: Eaton

<u>Test</u>	<u>CasNo</u>	<u>Analyte</u>	<u>Result</u>	<u>Detect</u>	<u>Units</u>	<u>Method</u>
<u>LC2003042917 Collect Date: 08/25/2003 Arrival Date: 08/26/2003</u>						
CXPT	++ All Analytes for this Test Code are Non Detect (ND) ++					
<u>LC2003042937 Collect Date: 08/25/2003 Arrival Date: 08/26/2003</u>						
CCON	COND-00-C	CONDUCTIVITY (MANUAL)	950	1	umhos	EPA120.1
CPH	PH-00-C	PH (HYDROGEN ION)	7.3	2.0		EPA150.1
CRA	16984-48-8	FLUORIDE (AUTOMATED)	0.2	0.1	mg/L	SM4500NO3H,SM3
CRA	7439-89-6	IRON (AUTOMATED)	0.8	0.1	mg/L	SM4500NO3H,SM3
CRA	HARD-00-C	HARDNESS AS CaCO ₃	477	10	mg/L	SM4500NO3H,SM3
CRA	7440-23-5	SODIUM (AUTOMATED)	55	5	mg/L	SM4500NO3H,SM3
CRA	7647-14-5	CHLORIDE (AUTOMATED)	113	4	mg/L	SM4500NO3H,SM3
CRA	14797-65-0	NITRITE AS N (AUTOMATED)	0.03	0.05	mg/L	SM4500NO3H,SM3
CRA	14797-55-8	NITRATE AS N (AUTOMATED)	0.3	0.4	mg/L	SM4500NO3H,SM3
CRA	14808-79-8	SULFATE (AUTOMATED)	59	5	mg/L	SM4500NO3H,SM3
<u>LC2003042967 Collect Date: 08/25/2003 Arrival Date: 08/26/2003</u>						
CAS	7440-38-2	ARSENIC (TOTAL)	0.001	0.002	mg/L	EPA200.8
CBA	7440-39-3	BARIUM	0.08	0.01	mg/L	EPA200.8
CBE	7440-41-7	BERYLLIUM	0.0001	0.0004	mg/L	EPA200.8
CCD	++ All Analytes for this Test Code are Non Detect (ND) ++					
CCR	++ All Analytes for this Test Code are Non Detect (ND) ++					
CCU	7440-50-8	COPPER (RECOVERABLE)	0.04	0.05	mg/L	EPA200.8
CFE	7439-89-6	IRON	3.22	0.01	mg/L	EPA200.8
CHG	++ All Analytes for this Test Code are Non Detect (ND) ++					
CMN	7439-96-5	MANGANESE	0.44	0.01	mg/L	EPA200.8
CNI	7440-02-0	NICKEL	0.01	0.01	mg/L	EPA200.8
CPB	7439-92-1	LEAD (TOTAL)	0.001	0.001	mg/L	EPA200.8
CSB	++ All Analytes for this Test Code are Non Detect (ND) ++					
CSE	++ All Analytes for this Test Code are Non Detect (ND) ++					
CTL	++ All Analytes for this Test Code are Non Detect (ND) ++					
CU	7440-61-1	URANIUM (TOTAL)	0.0006	0.0003	mg/L	EPA200.8
CZN	7440-66-6	ZINC	0.10	0.01	mg/L	EPA200.8

Site Code : PARSONS Site Name: Parsons Chemical (cont.)

Location: 12915 PARTLOW AVE 48837 Occupant: DONALDSON County: Eaton

<u>Test</u>	<u>CasNo</u>	<u>Analyte</u>	<u>Result</u>	<u>Detect</u>	<u>Units</u>	<u>Method</u>
<u>LC2003042911</u>		Collect Date: 08/25/2003 Arrival Date: 08/26/2003				
CXPT ++ All Analytes for this Test Code are Non Detect (ND) ++						
<u>LC2003042946</u>		Collect Date: 08/25/2003 Arrival Date: 08/26/2003				
CCON	COND-00-C	CONDUCTIVITY (MANUAL)	950	1	umhos	EPA120.1
CPH	PH-00-C	PH (HYDROGEN ION)	7.1	2.0		EPA150.1
CRA	16984-48-8	FLUORIDE (AUTOMATED)	0.2	0.1	mg/L	SM4500NO3H,SM3
CRA	7439-89-6	IRON (AUTOMATED)	0.8	0.1	mg/L	SM4500NO3H,SM3
CRA	HARD-00-C	HARDNESS AS CaCO ₃	481	10	mg/L	SM4500NO3H,SM3
CRA	7440-23-5	SODIUM (AUTOMATED)	49	5	mg/L	SM4500NO3H,SM3
CRA	7647-14-5	CHLORIDE (AUTOMATED)	121	4	mg/L	SM4500NO3H,SM3
CRA	14797-65-0	NITRITE AS N (AUTOMATED)	0.03	0.05	mg/L	SM4500NO3H,SM3
CRA	14797-55-8	NITRATE AS N (AUTOMATED)	0.3	0.4	mg/L	SM4500NO3H,SM3
CRA	14808-79-8	SULFATE (AUTOMATED)	55	5	mg/L	SM4500NO3H,SM3

Location: 12930 PARTLOW AVE 48837 Occupant: S & D DEVELOPMENT County: Eaton

<u>Test</u>	<u>CasNo</u>	<u>Analyte</u>	<u>Result</u>	<u>Detect</u>	<u>Units</u>	<u>Method</u>
++ No Samples are Linked To This Sample Site ++						

Location: 12950 PARTLOW AVE 48837 Occupant: WHITNEY County: Eaton

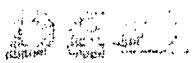
<u>Test</u>	<u>CasNo</u>	<u>Analyte</u>	<u>Result</u>	<u>Detect</u>	<u>Units</u>	<u>Method</u>
++ No Samples are Linked To This Sample Site ++						

Location: 1255 SECOND ST 48837 Occupant: BERTHOUD County: Eaton

<u>Test</u>	<u>CasNo</u>	<u>Analyte</u>	<u>Result</u>	<u>Detect</u>	<u>Units</u>	<u>Method</u>
<u>LC2003042949</u>		Collect Date: 08/25/2003 Arrival Date: 08/26/2003				
++ No Samples are Linked To This Sample Site ++						
CCON	COND-00-C	CONDUCTIVITY (MANUAL)	800	1	umhos	EPA120.1
CPH	PH-00-C	PH (HYDROGEN ION)	7.4	2.0		EPA150.1
CRA	16984-48-8	FLUORIDE (AUTOMATED)	0.2	0.1	mg/L	SM4500NO3H,SM3
CRA	7439-89-6	IRON (AUTOMATED)	1.4	0.1	mg/L	SM4500NO3H,SM3
CRA	HARD-00-C	HARDNESS AS CaCO ₃	436	10	mg/L	SM4500NO3H,SM3
CRA	7440-23-5	SODIUM (AUTOMATED)	27	5	mg/L	SM4500NO3H,SM3
CRA	7647-14-5	CHLORIDE (AUTOMATED)	75	4	mg/L	SM4500NO3H,SM3
CRA	14797-65-0	NITRITE AS N (AUTOMATED)	0.04	0.05	mg/L	SM4500NO3H,SM3
CRA	14797-55-8	NITRATE AS N (AUTOMATED)	0.3	0.4	mg/L	SM4500NO3H,SM3
CRA	14808-79-8	SULFATE (AUTOMATED)	50	5	mg/L	SM4500NO3H,SM3

Location: 3739 SECOND ST 48837 Occupant: BERTHOUD County: Eaton

<u>Test</u>	<u>CasNo</u>	<u>Analyte</u>	<u>Result</u>	<u>Detect</u>	<u>Units</u>	<u>Method</u>
<u>LC2003042921</u>		Collect Date: 08/25/2003 Arrival Date: 08/26/2003				
CXPT ++ All Analytes for this Test Code are Non Detect (ND) ++						
<u>LC2003042978</u>		Collect Date: 08/25/2003 Arrival Date: 08/26/2003				
CAS	7440-38-2	ARSENIC (TOTAL)	0.001	0.002	mg/L	EPA200.8
CBA	7440-39-3	BARIUM	0.09	0.01	mg/L	EPA200.8
CBE		++ All Analytes for this Test Code are Non Detect (ND) ++				



Department of Environmental Quality
Drinking Water and Radiological Protection Division
Ground Water Supply Section
Contamination Investigation Unit

Selection criteria for this report is as follows:
Site code= 'PARSONS'
... Non Detect (ND) Results Are Suppressed ...

Site Code : PARSONS Site Name: Parsons Chemical (cont.)

Location: 3739 SECOND ST 48837 Occupant: BERTHOUD County: Eaton (cont.)

<u>Test</u>	<u>CasNo</u>	<u>Analyte</u>	<u>Result</u>	<u>Detect</u>	<u>Units</u>	<u>Method</u>
<u>LC2003042978</u> Collect Date: 08/25/2003 Arrival Date: 08/26/2003 (cont.)						
CCD		++ All Analytes for this Test Code are Non Detect (ND) ++				
CCR		++ All Analytes for this Test Code are Non Detect (ND) ++				
CCU		++ All Analytes for this Test Code are Non Detect (ND) ++				
CFE	7439-89-6	IRON	1.64	0.01	mg/L	EPA200.8
CHG		++ All Analytes for this Test Code are Non Detect (ND) ++				
CMN	7439-96-5	MANGANESE	0.19	0.01	mg/L	EPA200.8
CNI		++ All Analytes for this Test Code are Non Detect (ND) ++				
CPB	7439-92-1	LEAD (TOTAL)	0.001	0.001	mg/L	EPA200.8
CSB		++ All Analytes for this Test Code are Non Detect (ND) ++				
CSE	7782-49-2	SELENIUM (TOTAL)	0.001	0.001	mg/L	EPA200.8
CTL		++ All Analytes for this Test Code are Non Detect (ND) ++				
CU	7440-61-1	URANIUM (TOTAL)	0.0003	0.0003	mg/L	EPA200.8
CZN	7440-66-6	ZINC	0.03	0.01	mg/L	EPA200.8

Location: 3640 THIRD ST 48837 Occupant: GOUDREAU County: Eaton

<u>Test</u>	<u>CasNo</u>	<u>Analyte</u>	<u>Result</u>	<u>Detect</u>	<u>Units</u>	<u>Method</u>
<u>LC2003042905</u> Collect Date: 08/25/2003 Arrival Date: 08/26/2003						
CXPT		++ All Analytes for this Test Code are Non Detect (ND) ++				
<u>LC2003042954</u> Collect Date: 08/25/2003 Arrival Date: 08/26/2003						
CCON	COND-00-C	CONDUCTIVITY (MANUAL)	1040	1	umhos	EPA120.1
CPH	PH-00-C	PH (HYDROGEN ION)	7.6	2.0		EPA150.1
CRA	16984-48-8	FLUORIDE (AUTOMATED)	0.2	0.1	mg/L	SM4500NO3H,SM3
CRA	7439-89-6	IRON (AUTOMATED)	0.1	0.1	mg/L	SM4500NO3H,SM3
CRA	HARD-00-C	HARDNESS AS CaCO ₃	14	10	mg/L	SM4500NO3H,SM3
CRA	7440-23-5	SODIUM (AUTOMATED)	260	5	mg/L	SM4500NO3H,SM3
CRA	7647-14-5	CHLORIDE (AUTOMATED)	135	4	mg/L	SM4500NO3H,SM3
CRA	14797-65-0	NITRITE AS N (AUTOMATED)	0.02	0.05	mg/L	SM4500NO3H,SM3
CRA	14797-55-8	NITRATE AS N (AUTOMATED)	0.2	0.4	mg/L	SM4500NO3H,SM3
CRA	14808-79-8	SULFATE (AUTOMATED)	60	5	mg/L	SM4500NO3H,SM3
<u>LC2003042973</u> Collect Date: 08/25/2003 Arrival Date: 08/26/2003						
CAS	7440-38-2	ARSENIC (TOTAL)	0.002	0.002	mg/L	EPA200.8
CBA		++ All Analytes for this Test Code are Non Detect (ND) ++				
CBE		++ All Analytes for this Test Code are Non Detect (ND) ++				
CCD		++ All Analytes for this Test Code are Non Detect (ND) ++				
CCR	7440-47-3	CHROMIUM (TOTAL)	0.01	0.01	mg/L	EPA200.8
CCU	7440-50-8	COPPER (RECOVERABLE)	0.01	0.05	mg/L	EPA200.8
CFE	7439-89-6	IRON	0.01	0.01	mg/L	EPA200.8
CHG		++ All Analytes for this Test Code are Non Detect (ND) ++				
CMN		++ All Analytes for this Test Code are Non Detect (ND) ++				
CNI		++ All Analytes for this Test Code are Non Detect (ND) ++				
CPB		++ All Analytes for this Test Code are Non Detect (ND) ++				
CSB		++ All Analytes for this Test Code are Non Detect (ND) ++				
CSE	7782-49-2	SELENIUM (TOTAL)	0.001	0.001	mg/L	EPA200.8

Site Code : PARSONS Site Name: Parsons Chemical (cont.)

Location: 3640 THIRD ST 48837 Occupant: GOUDREAU County: Eaton (cont.)

<u>Test</u>	<u>CasNo</u>	<u>Analyte</u>	<u>Result</u>	<u>Detect</u>	<u>Units</u>	<u>Method</u>
<u>LC2003042973 Collect Date: 08/25/2003 Arrival Date: 08/26/2003 (cont.)</u>						
CTL		++ All Analytes for this Test Code are Non Detect (ND) ++				
CU	7440-61-1	URANIUM (TOTAL)	0.0003	0.0003	mg/L	EPA200.8
CZN	7440-66-6	ZINC	0.01	0.01	mg/L	EPA200.8

Location: 3646 THIRD ST 48837 Occupant: VANBURGER County: Eaton

<u>Test</u>	<u>CasNo</u>	<u>Analyte</u>	<u>Result</u>	<u>Detect</u>	<u>Units</u>	<u>Method</u>
<u>LC2003042926 Collect Date: 08/25/2003 Arrival Date: 08/26/2003</u>						
CXPT		++ All Analytes for this Test Code are Non Detect (ND) ++				
<u>LC2003042941 Collect Date: 08/25/2003 Arrival Date: 08/26/2003</u>						
CCON	COND-00-C	CONDUCTIVITY (MANUAL)	910	1	umhos	EPA120.1
CPH	PH-00-C	PH (HYDROGEN ION)	7.3	2.0		EPA150.1
CRA	16984-48-8	FLUORIDE (AUTOMATED)	0.3	0.1	mg/L	SM4500NO3H,SM3
CRA	7439-89-6	IRON (AUTOMATED)	0.7	0.1	mg/L	SM4500NO3H,SM3
CRA	HARD-00-C	HARDNESS AS CaCO ₃	504	10	mg/L	SM4500NO3H,SM3
CRA	7440-23-5	SODIUM (AUTOMATED)	32	5	mg/L	SM4500NO3H,SM3
CRA	7647-14-5	CHLORIDE (AUTOMATED)	86	4	mg/L	SM4500NO3H,SM3
CRA	14797-65-0	NITRITE AS N (AUTOMATED)	0.02	0.05	mg/L	SM4500NO3H,SM3
CRA	14797-55-8	NITRATE AS N (AUTOMATED)	0.2	0.4	mg/L	SM4500NO3H,SM3
CRA	14808-79-8	SULFATE (AUTOMATED)	68	5	mg/L	SM4500NO3H,SM3
<u>LC2003042976 Collect Date: 08/25/2003 Arrival Date: 08/26/2003</u>						
CAS	7440-38-2	ARSENIC (TOTAL)	0.001	0.002	mg/L	EPA200.8
CBA	7440-39-3	BARIUM	0.18	0.01	mg/L	EPA200.8
CBE	7440-41-7	BERYLLIUM	0.0001	0.0004	mg/L	EPA200.8
CCD		++ All Analytes for this Test Code are Non Detect (ND) ++				
CCR		++ All Analytes for this Test Code are Non Detect (ND) ++				
CCU	7440-50-8	COPPER (RECOVERABLE)	0.04	0.05	mg/L	EPA200.8
CFE	7439-89-6	IRON	0.73	0.01	mg/L	EPA200.8
CHG		++ All Analytes for this Test Code are Non Detect (ND) ++				
CMN	7439-96-5	MANGANESE	0.06	0.01	mg/L	EPA200.8
CNI	7440-02-0	NICKEL	0.01	0.01	mg/L	EPA200.8
CPB	7439-92-1	LEAD (TOTAL)	0.001	0.001	mg/L	EPA200.8
CSB		++ All Analytes for this Test Code are Non Detect (ND) ++				
CSE		++ All Analytes for this Test Code are Non Detect (ND) ++				
CTL		++ All Analytes for this Test Code are Non Detect (ND) ++				
CU	7440-61-1	URANIUM (TOTAL)	0.0006	0.0003	mg/L	EPA200.8
CZN	7440-66-6	ZINC	0.02	0.01	mg/L	EPA200.8

Location: 3540 W JEFFERSON Occupant: MILLBROOK PRINTING County: Eaton

<u>Test</u>	<u>CasNo</u>	<u>Analyte</u>	<u>Result</u>	<u>Detect</u>	<u>Units</u>	<u>Method</u>
<u>LC1997011705 Collect Date: 01/29/1997 Arrival Date: 01/31/1997</u>						
g2 = Detect limits estimated based upon test date for all records.						
CRA	16984-48-8	FLUORIDE (AUTOMATED)	0.4	0.1	mg/L	
CRA	HARD-00-C	HARDNESS AS CaCO ₃	21	10	mg/L	